SAMSUNG

energy

ENERGY STAR

AH68-02211A

MAX-DG89

DVD MINI COMPONENT SYSTEM
WITH USB HOST
DVD/CD/MP3-CD/CD-R/RW PLAYBACK
user manual

imagine the possibilities

Thank you for purchasing a Samsung product.

To receive a more complete service,
please register your product at
www.samsung.com/global/register

SAMSUNG

Safety Warnings

CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER (or BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1

⚠ This symbol indicates “dangerous voltage” inside the product that presents a risk of electric shock or personal injury.

⚠ This symbol indicates important instructions accompanying the product.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

WARNING : To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

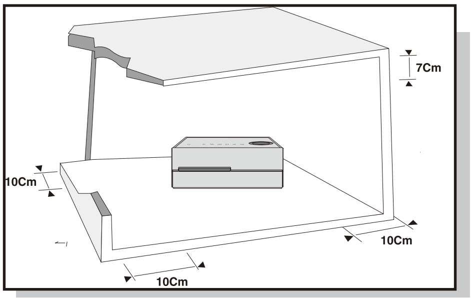
- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

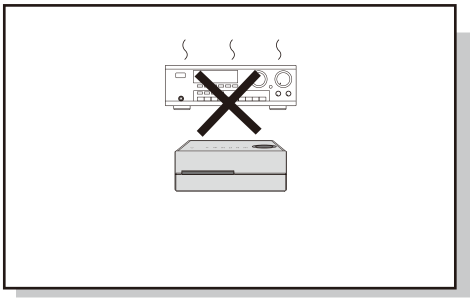
CAUTION

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The Mains plug is used as a disconnect device and shall stay readily operable at any time.

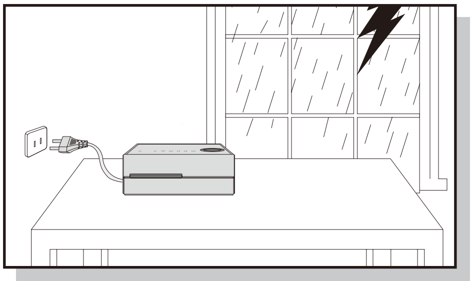
[Saudi Arabian Standards Organisation only]
THIS APPLIANCE IS FITTED WITH 220V SASO APPROVED PLUG.THE CUSTOMER IS ENTITLED TO A FREE SASO APPROVED 127V PLUG FROM THE LOCAL DEALER.

Precautions



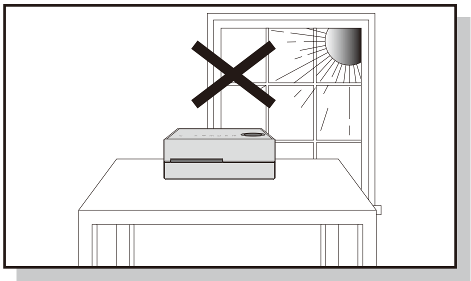


Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (3~4inches). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty. This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.



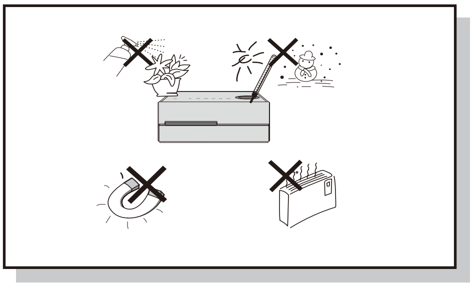
During thunderstorms, disconnect AC main plug from the wall outlet.

Voltage peaks due to lightning could damage the unit.



Do not expose the unit to direct sunlight or other heat sources.

This could lead to overheating and malfunction of the unit.

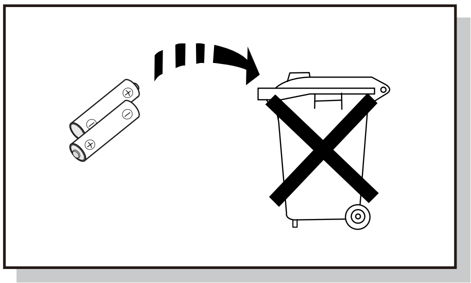


Protect the player from moisture(i.e. vases) , and excess heat(e. g.fireplace) or equipment creating strong magnetic or electric fields (i. e.speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use.

Use of this product is for personal use only.

Condensation may occur if your player or disc have been stored in cold temperatures.

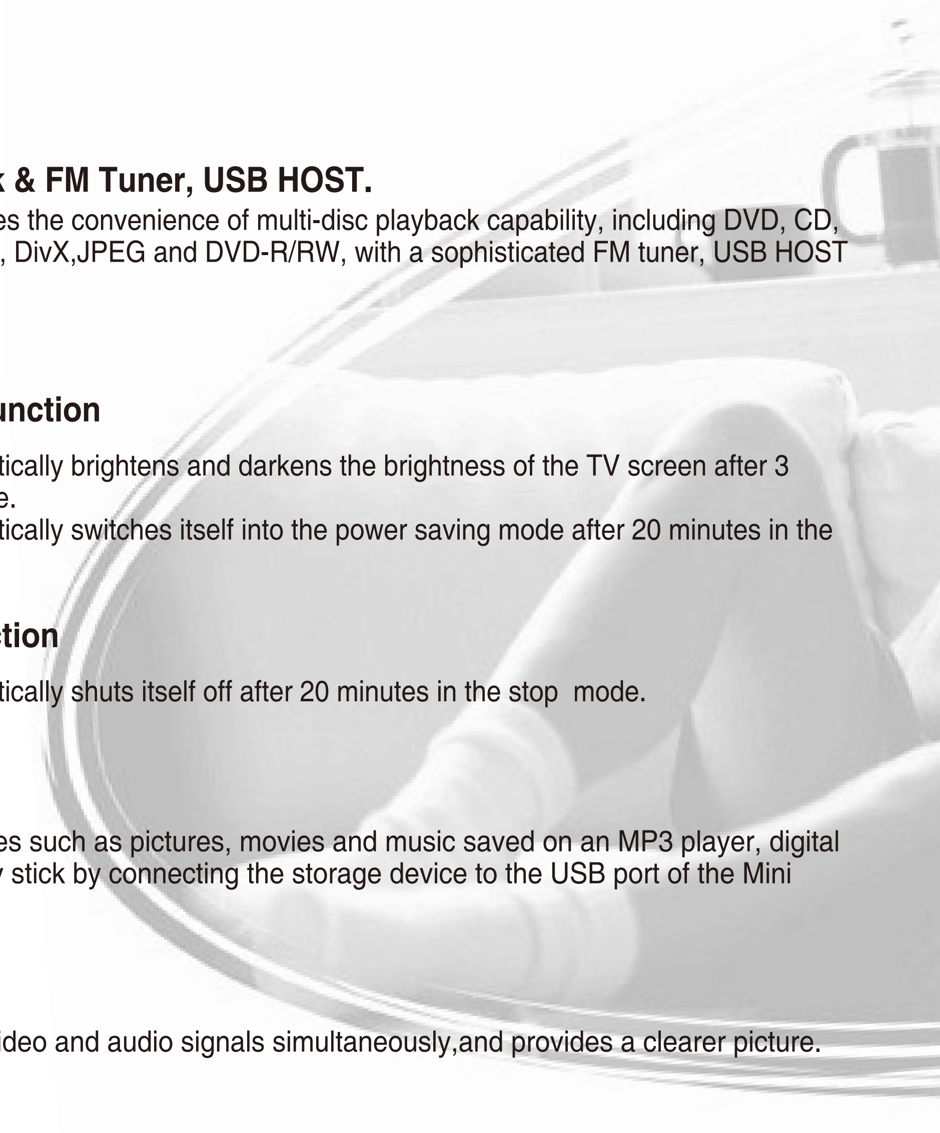
If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



The battery used with this product contain chemicals that are harmful to the environment.

Do not dispose of batteries in the general household trash.

Features



Multi-Disc Playback & FM Tuner, USB HOST.

The MAX-DG89 combines the convenience of multi-disc playback capability, including DVD, CD, MP3-CD, CD-R, CD-RW, DivX,JPEG and DVD-R/RW, with a sophisticated FM tuner, USB HOST all in a single player.

TV Screen Saver Function

The MAX-DG89 automatically brightens and darkens the brightness of the TV screen after 3 minutes in the stop mode.
The MAX-DG89 automatically switches itself into the power saving mode after 20 minutes in the screen saver mode.

Power Saving Function

The MAX-DG89 automatically shuts itself off after 20 minutes in the stop mode.

USB Host support

You can enjoy media files such as pictures, movies and music saved on an MP3 player, digital camera or USB memory stick by connecting the storage device to the USB port of the Mini Component.

HDMI

HDMI transmits DVD video and audio signals simultaneously,and provides a clearer picture.

Anynet+ (HDMI-CEC) Function

Anynet+ is a function that can be used to operate the main unit using a Samsung TV remote control, by connecting the Mini Component System to a SAMSUNG TV using a HDMI Cable. (This is only available with SAMSUNG TV's that support Anynet+.)

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Notes on Discs

DVD VIDEO

DVD (Digital Versatile Disc) offers fantastic audio and video, thanks to Dolby Digital surround sound and MPEG-2 video compression technology. Now you can enjoy these realistic effects in the home, as if you were in a movie theater or concert hall.

1 ~ 6

DVD players and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play. The Region Number for this player is given on the rear panel of the player. (Your DVD player will only play DVDs that are labeled with identical region codes.)

Playable Discs

Disc Type	Mark (Logo)	Recorded Signals	Disc Size	Max. Playing Time
DVD-VIDEO	DVD VIDEO	Audio + Video	12cm	Approx. 240 min. (single-sided)
				Approx. 480 min. (double-sided)
			8cm	Approx. 80 min. (single-sided)
				Approx. 160 min. (double-sided)
AUDIO-CD	COMPACT disc DIGITAL AUDIO	Audio	12cm	74 min.
			8cm	20 min.
DivX	DIVX	Audio + Video	12cm	74 min.
			8cm	20 min.

Do not use the following types of disc!

- LD, CD-G, CD-I, CD-ROM and DVD-ROM discs cannot be played on this player.
  If such discs are played, a <This disc cannot be played. Please check the disc.> message appears on the TV screen.
- DVD discs purchased abroad may not play on this player.
  If such discs are played, a <This disc cannot be played. Please check the regional code.> message appears on the TV screen.

Copy Protection

- **Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.**
- This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.
  Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation.
  Reverse engineering or disassembly is prohibited.

Disc Recording Format

This product does not support Secure (DRM) Media files.

CD-R Discs

- Some CD-R discs may not be playable depending on the disc recording device (CD-Recorder or PC) and the condition of the disc.
- Use a 650MB/74 minute CD-R disc. Do not use CD-R discs over 700MB/80 minute as they may not be played back.
- Some CD-RW (Rewritable) media, may not be playable.
- Only CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

CD-R MP3 Discs

- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- Only files with the ".mp3" and ".MP3" extensions can be played.
- Only a consecutively written multisession disc can be played. If there is a blank segment in the Multisession disc, the disc can be played only up to the blank segment.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- A maximum of 500 tracks can be played per CD.
- A maximum of 300 folders can be played per CD.

CD-R JPEG Discs

- Only files with the "jpg" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- A maximum of 9,999 images can be stored on a single CD.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.

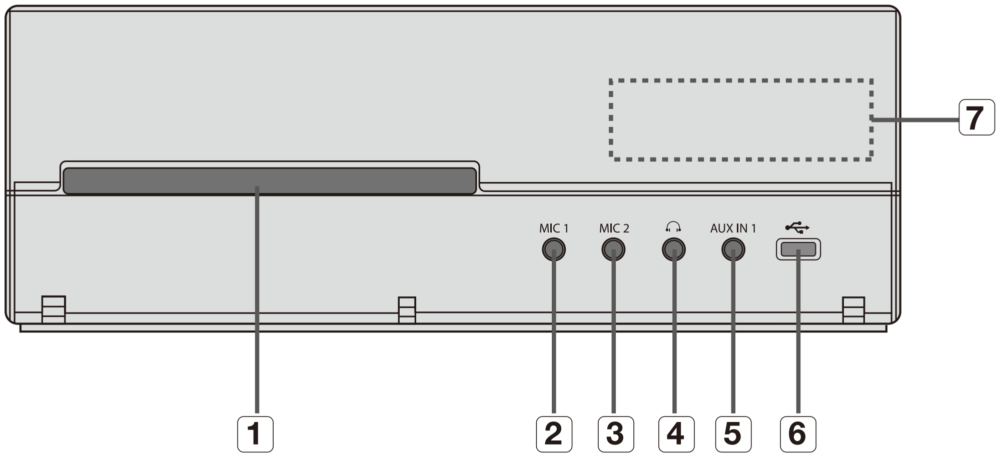
DVD±R/RW, CD-R/RW DivX Discs

- Software updates for incompatible formats are not supported.
  (Example : QPEL, GMC, resolution higher than 720 x 480 pixels, etc.)
- Sections with a high frame rate might not be played while playing a DivX file.

DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified or DivX Ultra Certified device that plays DivX video.

Description

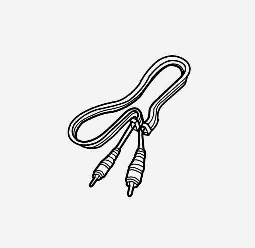
—Front Panel—


MIC 1
MIC 2
AUX IN 1
1
2
3
4
5
6
7

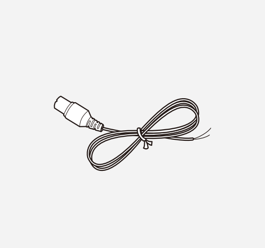
1. **COMPACT DISC COMPARTMENT**
2. **MIC 1 JACK**
3. **MIC 2 JACK**
4. **HEADPHONE JACK**
5. **AUX IN 1 JACK**
6. **USB JACK**
7. **WINDOW DISPLAY**

WHAT'S INCLUDED

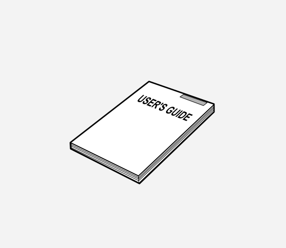
Check for the supplied accessories below.



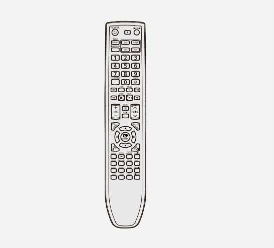
Video Cable



FM Antenna

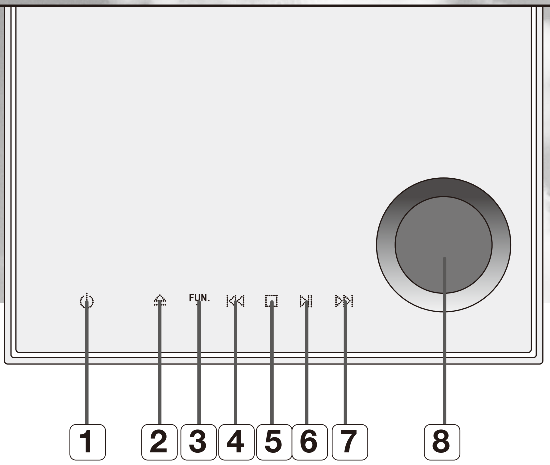

USER'S GUIDE

User's Manual



Remote Control

—Top Panel—

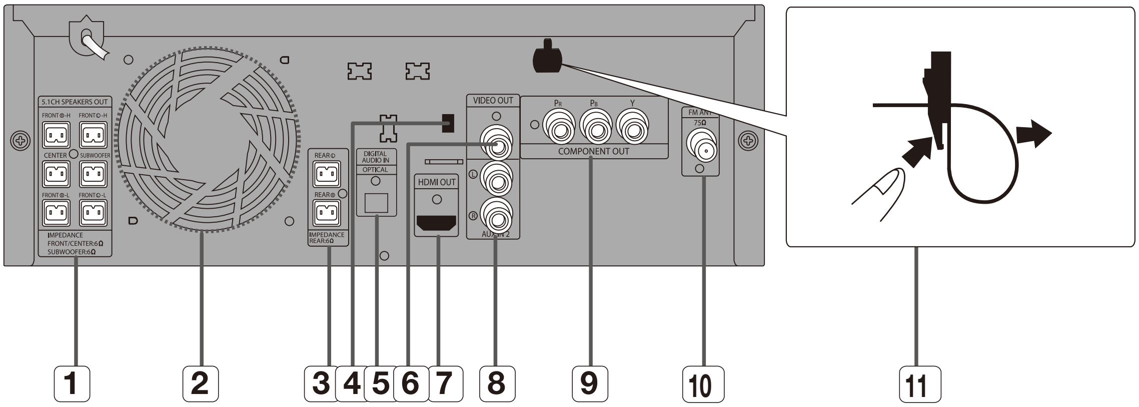

FUN.
1
2
3
4
5
6
7
8

1. **POWER BUTTON**
2. **OPEN/CLOSE BUTTON**
3. **FUNCTION BUTTON**
4. **SEARCH FUNCTION BUTTON(DOWN)**
5. **TUNING MODE OR STOP BUTTON**
6. **PLAY/PAUSE BUTTON**
7. **SEARCH FUNCTION BUTTON(UP)**
8. **VOLUME KNOB**

USING THE TOUCH BUTTON

- Tap on touch screen with your fingertip.
- To avoid damage to the touch screen, do not use any object other than your fingers to operate it.
- Do not tap on the touch screen if your fingers are not clean.
- Do not tap on the touch screen with gloves on.
- The touch screen may not function if you use a fingernail or other instruments such as a ballpoint pen.

—Rear Panel—

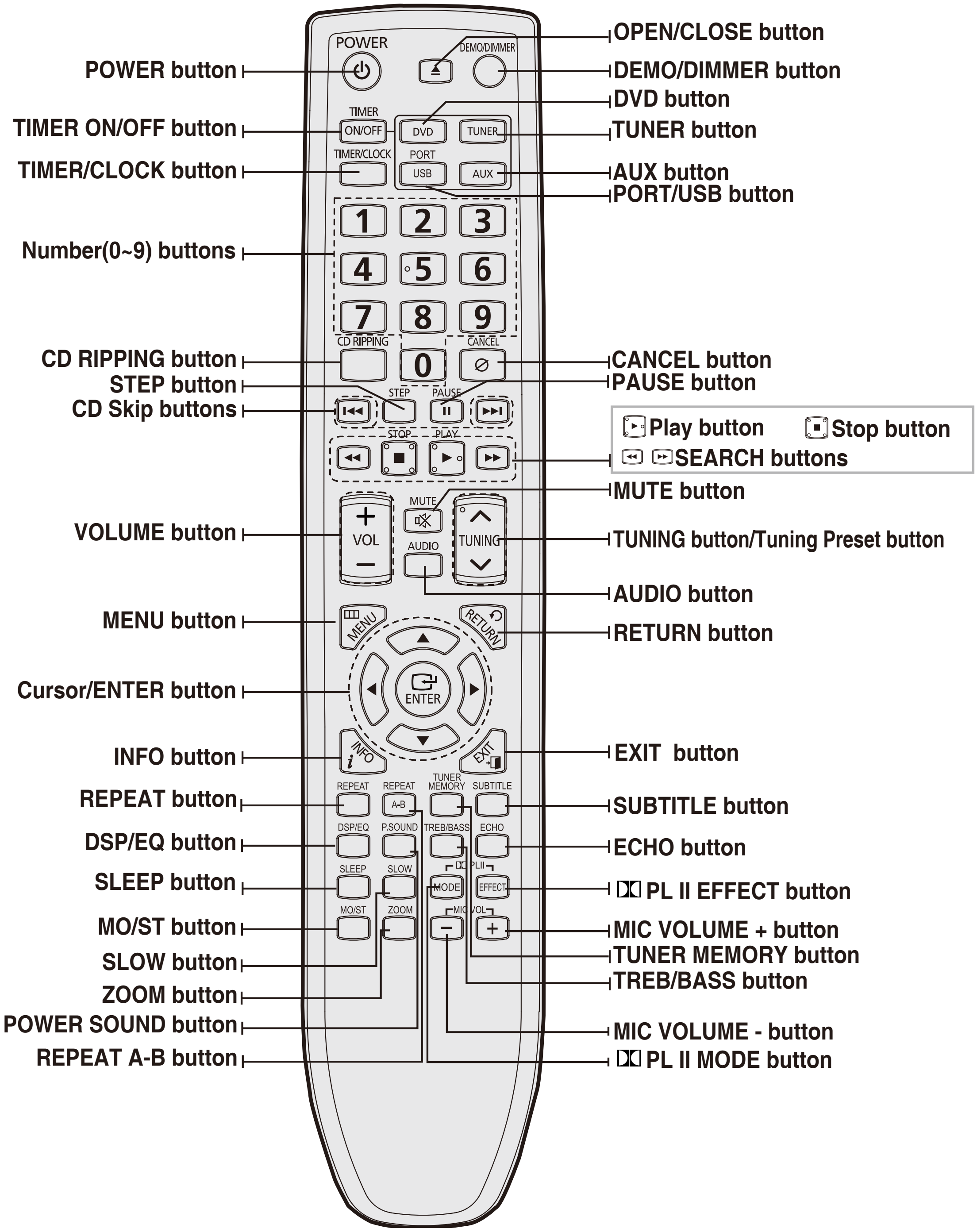

5.1CH SPEAKERS OUT
FRONT
CENTER
SUBWOOFER
IMPEDANCE FRONT/CENTER:6Ω SUBWOOFER:6Ω
REAR
IMPEDANCE REAR:6Ω
DIGITAL AUDIO IN OPTICAL
HDMI OUT
VIDEO OUT
AUX IN 2
PR
PB
Y
COMPONENT OUT
FM ANT 75Ω
1
2
3
4
5
6
7
8
9
10
11

1. **5.1 Channel Speaker Output Terminals**
   Front/Center/Subwoofer Speaker Output Terminals
2. **Cooling fan**
3. **5.1 Channel Speaker Output Terminals**
   Rear Speaker Output Terminals
4. **Voltage Selector(option)**
5. **External Digital Optical Input Jack**
   Use this to connect external equipment capable of digital output.
6. **Video Output Jack**
   Connect the TV's video input jacks (VIDEO IN) to the VIDEO OUT Jack.
7. **HDMI OUT Jack**
8. **AUX IN 2 Jack**
9. **Component Video Output Jacks**
   Connect a TV with component vide input jacks to these jacks.
10. **FM Antenna Jack**
11. **Clamp-Wire**
    (Fasten the speaker wires.)

- The rear panel pictures are for illustration purposes only. The actual appearance may differ.

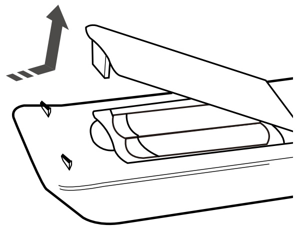
Description

—Remote Control—

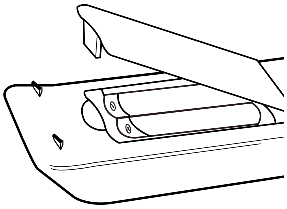

POWER button
TIMER ON/OFF button
TIMER/CLOCK button
Number(0~9) buttons
CD RIPPING button
STEP button
CD Skip buttons
VOLUME button
MENU button
Cursor/ENTER button
INFO button
REPEAT button
DSP/EQ button
SLEEP button
MO/ST button
SLOW button
ZOOM button
POWER SOUND button
REPEAT A-B button
OPEN/CLOSE button
DEMO/DIMMER button
DVD button
TUNER button
AUX button
PORT/USB button
CANCEL button
PAUSE button
Play button
Stop button
SEARCH buttons
MUTE button
TUNING button/Tuning Preset button
AUDIO button
RETURN button
EXIT button
SUBTITLE button
ECHO button
PL II EFFECT button
MIC VOLUME + button
TUNER MEMORY button
TREB/BASS button
MIC VOLUME - button
PL II MODE button
POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
VOL
MUTE
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
PLII
SLEEP
SLOW
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

Insert Remote Batteries

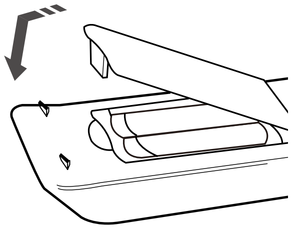
1 Remove the battery cover in the direction of the arrow.



2 Insert two 1.5V AAA batteries, paying attention to the correct polarities (+ and –).



3 Replace the battery cover.



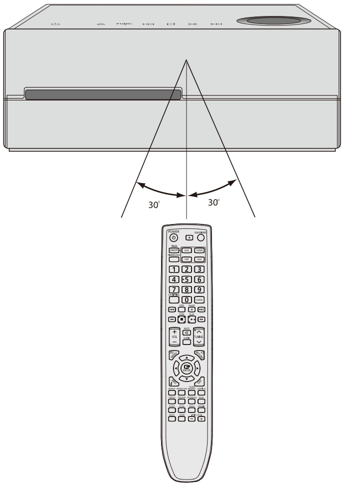
Caution

Follow these precautions to avoid leaking or cracking cells:

- Place batteries in the remote control so they match the polarity:(+) to (+)and (–)to (–).
- Use the correct type of batteries.Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

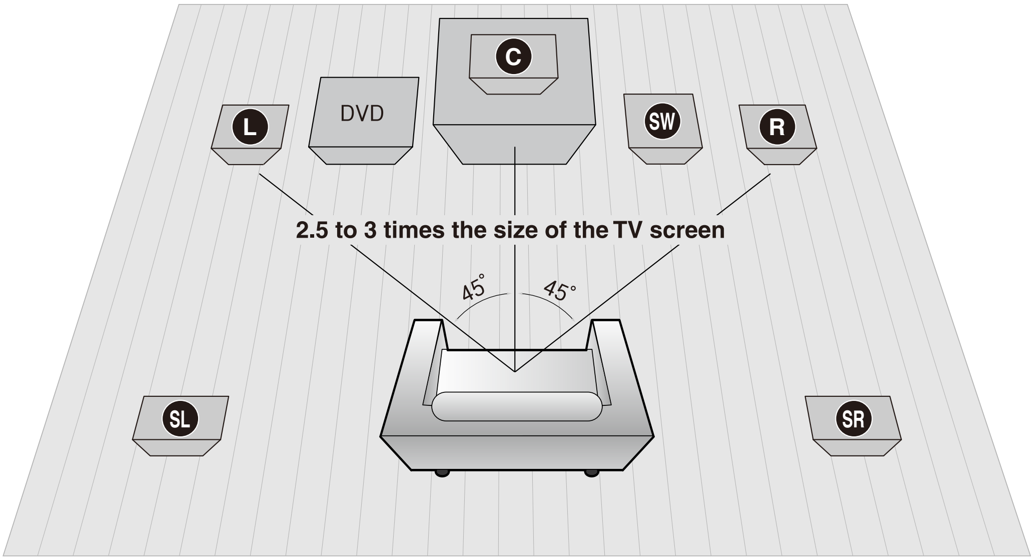
Range of Operation of the Remote Control

The remote control can be used up to approximately 23 feet/7 meters in a straight line. It can also be operated at a horizontal angle of up to 30° from the remote control sensor.



Connecting the Speakers

Before moving or installing the product, be sure to turn off the power and disconnect the power cord.



Position of the DVD Player

- Place it on a stand or cabinet shelf, or under the TV stand.

Front Speakers L R

- Place these speakers in front of your listening position, facing inwards (about 45°) toward you.
- Place the speakers so that their tweeters will be at the same height as your ear.
- Align the front face of the front speakers with the front face of the center speaker or place them slightly in front of the center speakers.

Center Speaker C

- It is best to install it at the same height as the front speakers.
- You can also install it directly over the main unit, and you should better install them directly over or under the TV.

Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV.

Example : For 32" TVs 2~2.4m (6~8feet)
For 55" TVs 3.5~4m (11~13feet)

Rear Speakers SL SR

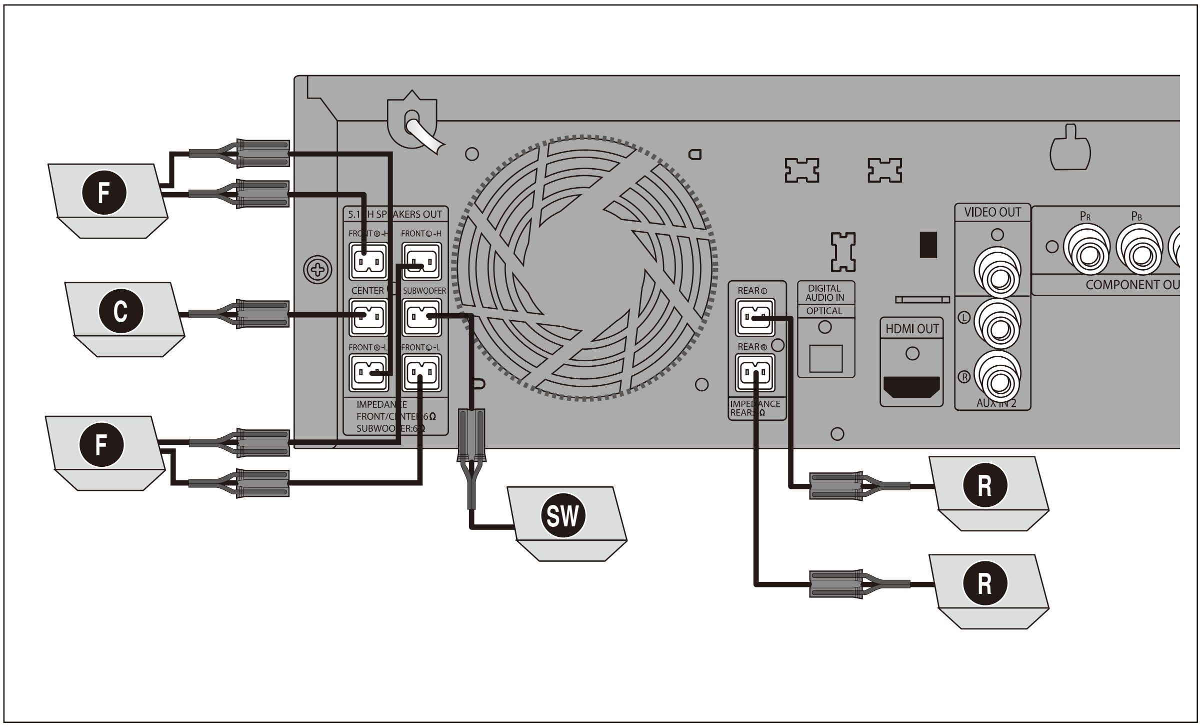
- Place these speakers behind your listening position.
- If there isn't enough room, place these speakers so they face each other.
- Place them about 60 to 90cm (2 to 3feet) above your ear, facing slightly downward.

* Unlike the front and center speakers, the rear speakers are used to handle mainly sound effects and sound will not come from them all the time.

* **Sound will be heard from the rear speakers in DVD 5.1-CH or Dolby Pro Logic II mode only.**

Subwoofer SW

- The position of the subwoofer is not so critical.
  Place it anywhere you like.

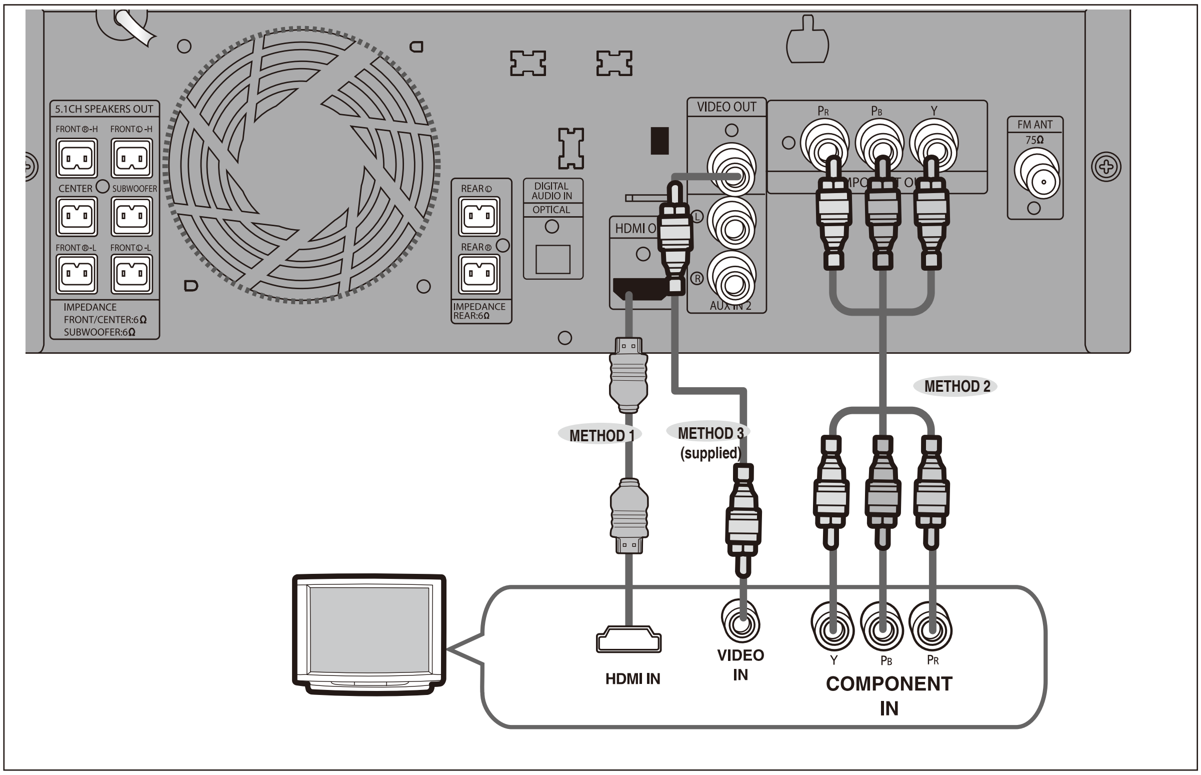

F
C
F
SW
R
R
5.1CH SPEAKERS OUT
FRONT⊕-H
FRONT⊖-H
CENTER
SUBWOOFER
FRONT⊕-L
FRONT⊖-L
IMPEDANCE
FRONT/CENTER:6Ω
SUBWOOFER:6Ω
REAR⊖
REAR⊕
IMPEDANCE
REAR:3Ω
DIGITAL
AUDIO IN
OPTICAL
HDMI OUT
VIDEO OUT
PR
PB
COMPONENT OU
L
R
AUX IN 2

- Do not let children play with or near the speakers. They could get hurt if a speaker falls.
- Keep the speaker out of reach of children so as to prevent children from inserting their hands or alien substances into the duct (hole) of the subwoofer speaker.
- Do not hang the subwoofer on the wall through the duct (hole).

- If you place a speaker near your TV set, screen color may be distorted because of the magnetic field generated by the speaker. If this occurs, place the speaker away from your TV set.

Connecting the Video Out to your TV

Please be sure to turn off the power and unplug the power cord before moving or installing this unit.
Please choose one video connection method.


5.1CH SPEAKERS OUT
FRONT Ⓡ-H
FRONT Ⓛ-H
CENTER
SUBWOOFER
FRONT Ⓡ-L
FRONT Ⓛ-L
IMPEDANCE
FRONT/CENTER:6Ω
SUBWOOFER:6Ω
REAR Ⓛ
REAR Ⓡ
IMPEDANCE
REAR:6Ω
DIGITAL AUDIO IN
OPTICAL
HDMI O
VIDEO OUT
Ⓛ
Ⓡ
AUX IN 2
PR
PB
Y
FM ANT
75Ω
METHOD 2
METHOD 1
METHOD 3
(supplied)
HDMI IN
VIDEO
IN
Y
PB
PR
COMPONENT
IN

METHOD 1 : HDMI .... (Best Quality)

Connect the HDMI cable (not supplied) from the HDMI OUT jack on the back of the DVD Player to the HDMI IN jack on your TV.

METHOD 2 : Component Video .... (Better Quality)

If your television is equipped with Component Video inputs, connect a Component video cable(not supplied) from the Component Video Output (Pr, Pb and Y) jacks on the back of the DVD Player to the Component Video Input jacks on your TV.

METHOD 3 : Composite Video .... (Good Quality)

Connect the supplied Video cable from the VIDEO OUT jack on the back of the DVD Player to the VIDEO IN jack on your TV.

- Resolutions available for the HDMI output are 480p/576p, 720p,1080i/1080p. See page 16 for resolution setting.
- This product operates in Interlace scan mode (480i/576i) for Component Output.
- After making the video connection, set the Video input source on your TV to match the corresponding Video output (HDMI, Component or Composite) on your Mini Component.
  See your TV owner's manual for more information on how to select the TV's Video Input source.
- If you use an HDMI cable to connect a Samsung TV to the main unit, you can operate the Mini Component using the TV's remote control. (This is only available with SAMSUNG TV's that support Anynet+(HDMI-CEC).)
- Please check the Anynet+ HDMI-CEC logo (If your TV has the Anynet+ HDMI-CEC logo, then it supports the Anynet+ function.).

HDMI Function

HDMI Auto Detection Function

The player's video output will automatically change to HDMI mode when connecting an HDMI cable while power is on.

- **HDMI (High Definition Multimedia Interface)**
  HDMI is an interface that enables the digital transmission of video and audio data with just a single connector.
  Using HDMI, the Mini Component System transmits a digital video and audio signal and displays a vivid picture on a TV having an HDMI input jack.
- **HDMI connection description**
  HDMI connector - Supports video and digital audio data.
  —HDMI outputs only a pure digital signal to the TV.
  —If your TV does not support HDCP (High-bandwidth Digital Content Protection), random noise appears on the screen.
- **Why does Samsung use HDMI?**
  Analogueue TV's require an Analogueue video/audio signal. However, when playing a DVD, the data transmitted to a TV is digital. Therefore either a digital-to-Analogueue converter (in the Mini Component System) or an Analogueue-to-digital converter (in the TV) is required. During this conversion, the picture quality is degraded due to noise and signal loss. HDMI technology is superior because it requires no D/A conversion and is a pure digital signal from the player to your TV.
- **What is the HDCP?**
  HDCP (High-band width Digital Content Protection) is a system for protecting DVD content outputted via HDMI from being copied. It provides a secure digital link between a video source (PC, DVD. etc) and a display device (TV, projector. etc). Content is encrypted at the source device to prevent unauthorized copies from being made.
- **What is Anynet+?**
  Anynet+ is a convenient function that offers linked operation of this unit through Samsung TV's with the Anynet+ feature.
  —If your Samsung TV has an Anynet+ HDMI-CEC logo, then it supports the Anynet+ function.
  —If you turn on the player and insert a disc, the player will start playing the disc, and the TV will turn on automatically and switch to HDMI mode.
  —If you turn on the player and press the Play button with a disc already inserted, the TV will immediately turn on and switch to HDMI mode.
  —Regarding more information of using **Anynet+(HDMI-CEC)**, please refer to your TV’s user manual.

HDMI Function(continue)

Why use HDMI (High Definition Multimedia Interface)?

This device transmits a DVD video signal digitally without the process of converting to analog. You will get sharper digital pictures when using an HDMI connection.

Using Anynet+(HDMI-CEC)

Anynet+ is a function that enables you to control other Samsung Devices with your Samsung TV's remote control. Anynet + can be used by connecting this Mini Component System to a SAMSUNG TV using a HDMI Cable. This is only available with SAMSUNG TV's that support Anynet+.

1. Connect the main unit of the Mini Component System to a Samsung TV with an HDMI cable. (See page 13)
2. Set the Anynet+ function on your TV.
   You can operate the Mini Component System by using the TV remote control. (Available TV buttons : ⏪, ■, ▶, ⏩, ▲,▼ and ◀,▶ buttons,⓪ ~ ⑨ button)

With Anynet+

You can operate this unit, power on your TV, or watch a movie by pressing the Play button on your Samsung TV's remote control.

If you select the TV

Set the Anynet+(HDMI-CEC) to On by pressing the Anynet+ button on your TV remote contro.

- **Receiver : On** : You can listen to audio through the Speakers.
- **Receiver : Off** : You can listen to audio through the TV.

Press the Anynet+ button on the TV remote control, select Mini Component form Select Device to connect and set the option of each item below.

- **View TV** : If Anynet+(HDMI CEC) is set to on and you select View TV, the Mini Component will automatically switch to D.IN mode.
- **Menu on Device** : You can access and control the Mini Component menu.
- **Device Operation** : The Mini Component disc playback information will be displayed. You can control the Disc operation of the Mini Component such as title, chapter and subtitle change.

- When you playback CD during CEC ON, if you turn off the TV Power, the Mini Component doesn't automatically turn off the Power.

BD Wise (Samsung products only)

You can select to use the BD Wise menu only if the Mini Component is connected to a Samsung TV that supports BD Wise using an HDMI cable.

- **What is BD Wise?**

BD Wise automatically adjusts BD Wise-compliant Samsung products to the optimal settings between them.This feature is enabled only if BD Wise-compliant Samsung products are connected to each other using an HDMI cable.

- **To use BD Wise**

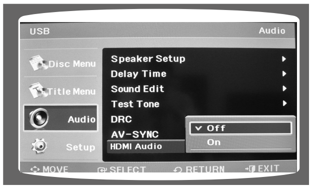
1. Use an HDMI cable to connect the Mini Component to a BD Wise-compliant Samsung TV.
2. Set each BD Wise menu of the Mini Component and the Samsung TV to On, respectively.

— This will optimize the picture quality according to the content (In the disc, DVD, etc) that you want to play.
— This will also optimize the picture quality between the Mini Component and your BD Wise-compliant Samsung TV.

- If you want to change the resolution in BD Wise mode, you must set BD mode to Off in advance.
- If you set the BD Wise mode to off, the resolution of the connected TV will be adjusted to its maximum resolution automatically.
- BD Wise will be disabled if the player is connected to a device that does not support BD Wise.

Setting the HDMI Audio

The audio signals transmitted over the HDMI Cable can be toggled ON/OFF.


USB
Audio
Disc Menu
Title Menu
Audio
Setup
Speaker Setup
Delay Time
Sound Edit
Test Tone
DRC
AV-SYNC
HDMI Audio
✓ Off
On
MOVE
SELECT
RETURN
EXIT

1. In Stop mode, press the **MENU** button.
2. Press the Cursor ▼ , ▲ button to move to **<Audio>** and then press the **ENTER** button.
3. Press the Cursor ▼ , ▲ button to move to **<HDMI AUDIO>** and then press the **ENTER** button.
4. Press the Cursor ▼ , ▲ button to select <ON> or <OFF> and then press the **ENTER** button.
   - ON : Both video and audio signals are transmitted over the HDMI connection cable, and audio is output through your TV speakers only.
   - OFF : Video is transmitted over the HDMI connection cable only, and audio is output through the Mini Component speakers only.

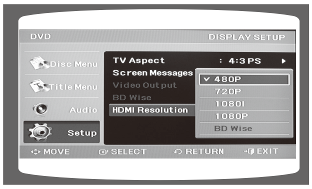
➣ Press the **RETURN** button to return to the previous level.

➣ Press the **EXIT** button to exit the setup screen.

- The default setting of this function is HDMI AUDIO OFF.
- HDMI AUDIO is automatically down-mixed to 2ch for TV speakers.
- ECHO/P.SOUND/DSP/EQ function is not available when HDMI AUDIO is ON.
- MIC output is not available while HDMI AUDIO ON.

Setting the HDMI Resolution

The function allows the user to select the screen resolution for HDMI output.


DVD
DISPLAY SETUP
Disc Menu
Title Menu
Audio
Setup
TV Aspect : 4:3 PS
Screen Messages
Video Output
BD Wise
HDMI Resolution
✓ 480P
720P
1080I
1080P
BD Wise
MOVE
SELECT
RETURN
EXIT

1. In Stop mode, press the **MENU** button.
2. Press the Cursor ▼ , ▲ button to move to **<Setup>** and then press the **ENTER** button.
3. Press the Cursor ▼ , ▲ button to move to **<Display Setup>** and then press the **ENTER** button.
4. Press the Cursor ▼ , ▲ button to move to **<HDMI Resolution>** and then press the **ENTER** button.
5. Press the Cursor ▼ , ▲ button to select the desired item and then press the **ENTER** button.
   - Resolutions available for the HDMI output are 480p/576p, 720p, 1080i, 1080p.
   - SD(Standard Definition) resolution is 480p/576p and HD(High Definition) resolution is 720p, 1080i, 1080p.

➣ Press the **RETURN** button to return to the previous level.

➣ Press the **EXIT** button to exit the setup screen.

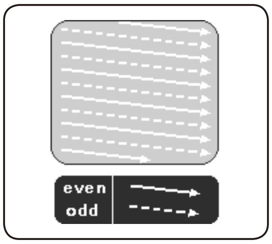
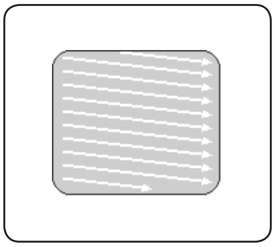
- If the TV does not support the configured resolution, you will not be able to see the picture properly.
- See your TV owner's manual for more information on how to select the TV's Video Input source.

P.SCAN (Progressive Scan) Function

Unlike regular Interlace Scan, in which two fields of picture information alternate to create the entire picture (odd scan lines, then even scan lines), Progressive Scan uses one field of information (all lines displayed in one pass) to create a clear and detailed picture without visible scan lines.

You can select "Progressive Scan" or "Interlace Scan" for you TV.
Please go to <Setup>→<Display Setup>→<Video Output> and set I-SCAN or P-SCAN.
(see the page 41.)

What is Progressive (or Non-Interlaced) Scanning?

Interlaced Scan (1 FRAME = 2 FIELDS)	Progressive Scan (FULL FRAME)
	
In interlaced-scan video, a frame consists of two interlaced fields (odd and even), where each field contains every other horizontal line in the frame. The odd field of alternating lines is displayed first, and then the even field is displayed to fill in the alternating gaps left by the odd field to form a single frame. One frame, displayed every 1/25th of a second, contains two interfaced fields, thus a total of 50 fields are displayed every 1/50th of a second. The interlaced scanning method is intended for capturing a still object.	The progressive scanning method scans one full frame of video consecutively down the screen, line by line. An entire image is drawn at one time, as opposed to the interlaced scanning process by which a video image is drawn in a series of passes. The progressive scanning method is desirable for dealing with moving objects.

Note

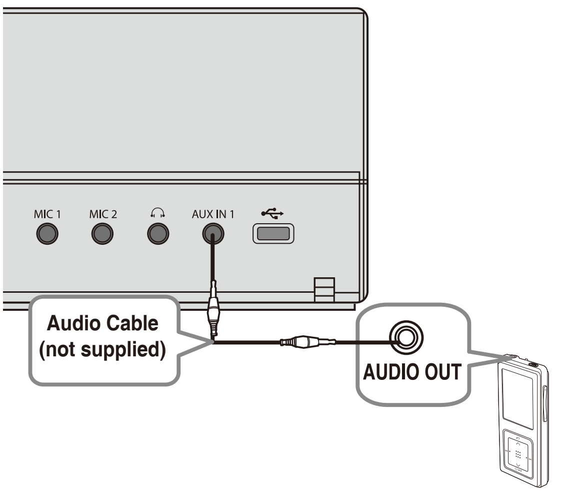
- This function works only on TVs equipped with component video inputs (Y, Pr, Pb) that support Progressive Video. (It does not work on TVs with conventional component inputs, i.e., non-progressive scan TVs.)
- Depending on the brand and model of your TV, this function may not work.
- Before set the I-SCAN or P-SCAN mode, please disconnect the HDMI cable first.

Connecting External Components

AUX1 : Connecting an External Component/MP3 player

Components such as an MP3 Player

AUX1 : Front Panel


MIC 1
MIC 2
AUX IN 1
Audio Cable (not supplied)
AUDIO OUT

1 Connect **AUX IN** 1(Audio) on the MINI COMPACT front panel to the Audio Out of the external component/MP3 player.

2 Press the **AUX** button to select <AUX1> input.

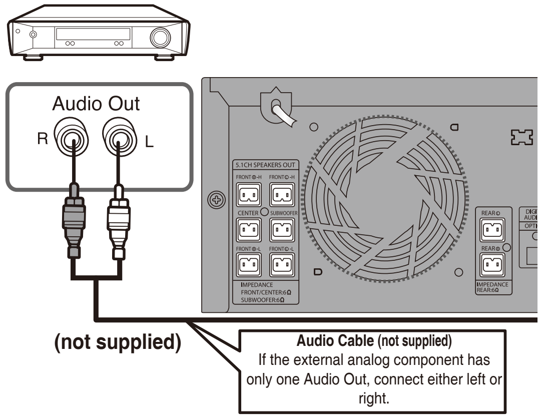
The mode switches as follows :

AUX 1→AUX 2 →D.IN.

AUX2 : Connecting an External Analog Component

Analog signal components such as a VCR.

AUX2 : Rear Panel


Audio Out
R
L
(not supplied)
5.1CH SPEAKERS OUT
CENTER
SUBWOOFER
REAR
IMPEDANCE

Audio Cable (not supplied)
If the external analog component has only one Audio Out, connect either left or right.

1 Connect AUX IN 2 (Audio) on the MINI COMPACT rear panel to the Audio Out of the external analog component.

- Be sure to match connector colors.

2 Press the **AUX** button to select <AUX2> input.

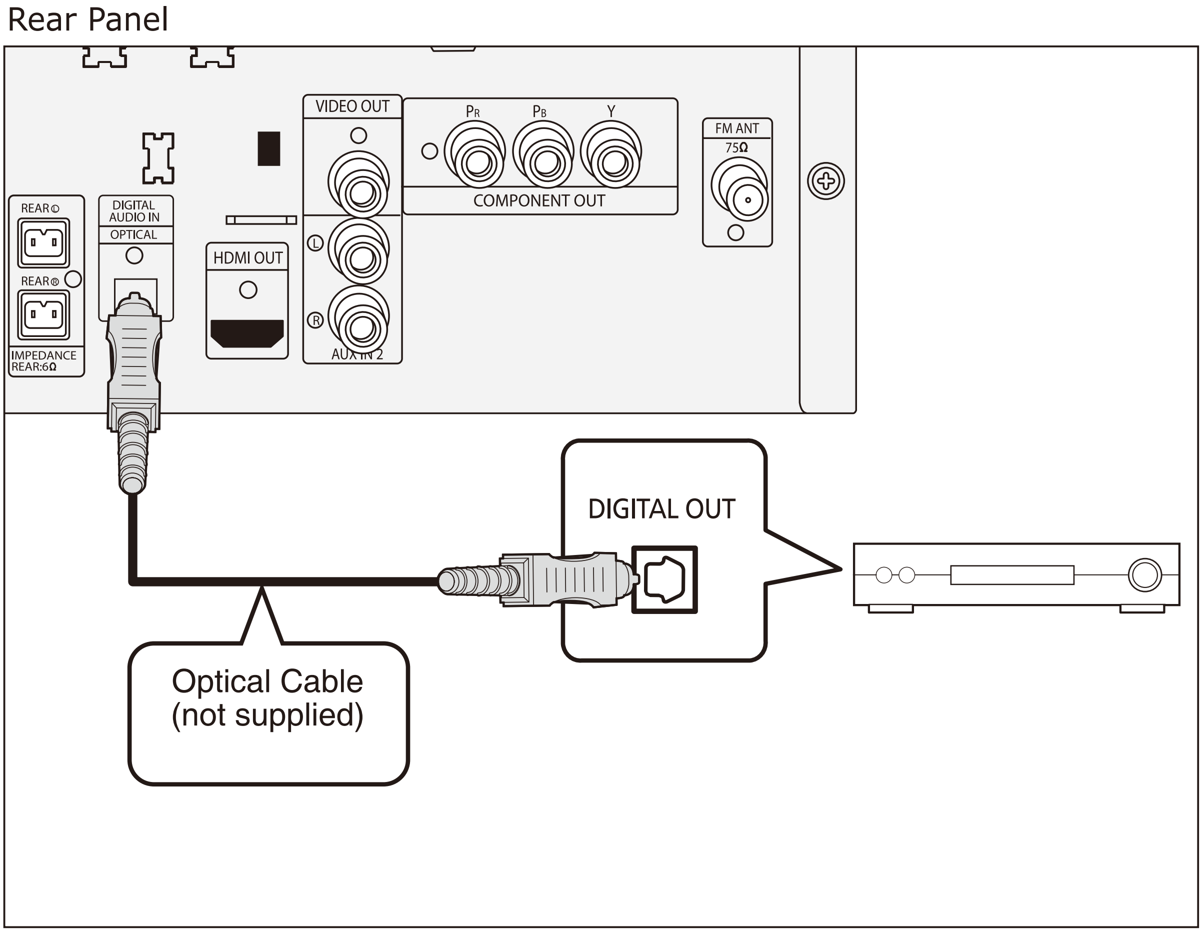
The mode switches as follows :

AUX 1→AUX 2 →D.IN.

Connecting External Components

OPTICAL : Connecting an External Digital Component

Digital signal components such as a Cable Box/Satellite receiver (Set-Top Box).


Rear Panel
VIDEO OUT
PR
PB
Y
COMPONENT OUT
FM ANT
75Ω
REAR L
REAR R
IMPEDANCE
REAR:6Ω
DIGITAL
AUDIO IN
OPTICAL
HDMI OUT
L
R
AUX IN 2
DIGITAL OUT
Optical Cable
(not supplied)

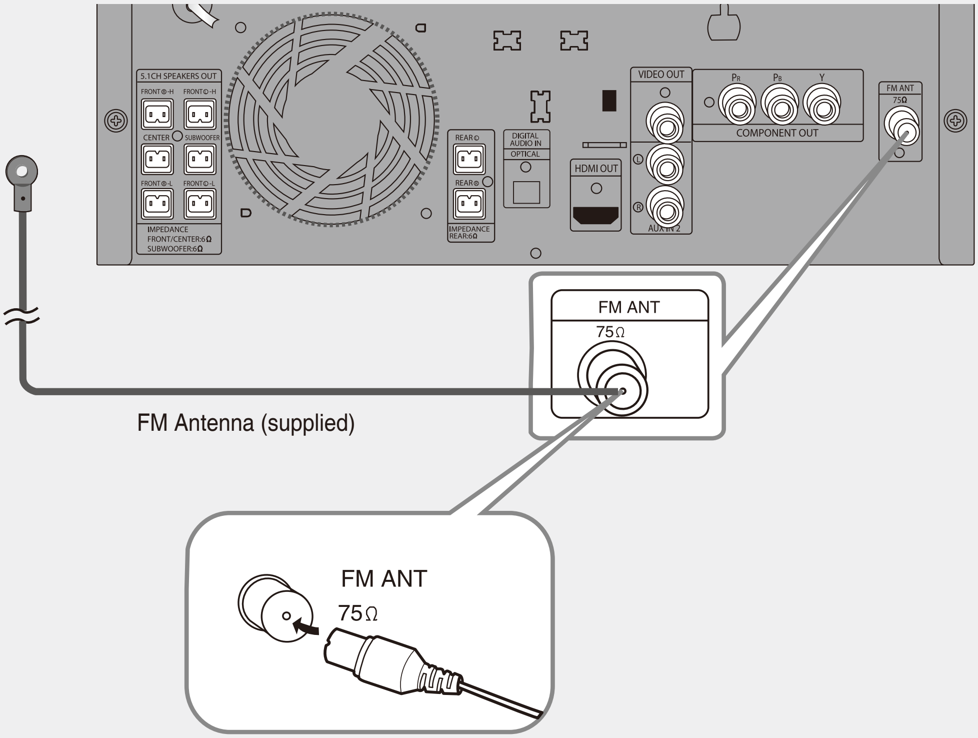
1 Connect the DIGITAL AUDIO IN (OPTICAL) on the MINI COMPACT to the Digital Output of the external digital component.

2 Press the AUX button on the remote control to select <D.IN >.

You can also use the FUN. button on the main unit.

The mode switches as follows : **AUX 1→AUX 2 →D.IN.**

Connecting the FM Antennas


5.1CH SPEAKERS OUT
FRONT ⊕-H
FRONT ⊖-H
CENTER
SUBWOOFER
FRONT ⊕-L
FRONT ⊖-L
IMPEDANCE
FRONT/CENTER:6Ω
SUBWOOFER:6Ω
REAR ⊖
REAR ⊕
IMPEDANCE
REAR:6Ω
DIGITAL AUDIO IN
OPTICAL
HDMI OUT
VIDEO OUT
AUX IN 2
PR
PB
Y
COMPONENT OUT
FM ANT
75Ω
FM ANT
75Ω
FM ANT
75Ω

FM Antenna (supplied)

1 Connect the FM antenna supplied to the FM 75Ω COAXIAL Jack.

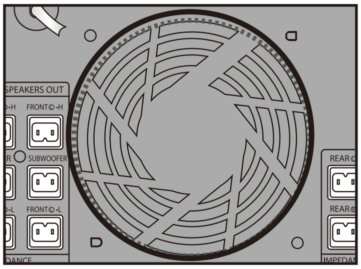
2 Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

Note

- This unit does not receive AM broadcasts.

Cooling Fan

The cooling fan supplies cool air to the unit to prevent overheating.


SPEAKERS OUT
FRONT ⊖-H
SUBWOOFER
FRONT ⊖-L
REAR ⊖
REAR ⊕

Please observe the following cautions for your safety.

- Make sure the unit is well-ventilated. If the unit has poor ventilation, the temperature inside the unit could rise and may damage it.
- Do not obstruct the cooling fan or ventilation holes. (If the cooling fan or ventilation holes are covered with a newspaper or cloth, heat may build up inside the unit and fire may result.)

Setting the Clock

For each step, you have a few seconds to set the required options.
If you exceed this time, you must start again.

1 Switch the system on by pressing **POWER** button.

2 Press **TIMER/CLOCK** twice.

- "CLOCK" is displayed.

3 Press **ENTER**.
The hour flashes.

- Increase the hours : ▶
- Decrease the hours : ◀

4 When the correct hour is displayed, press **ENTER**.
The minutes flash.

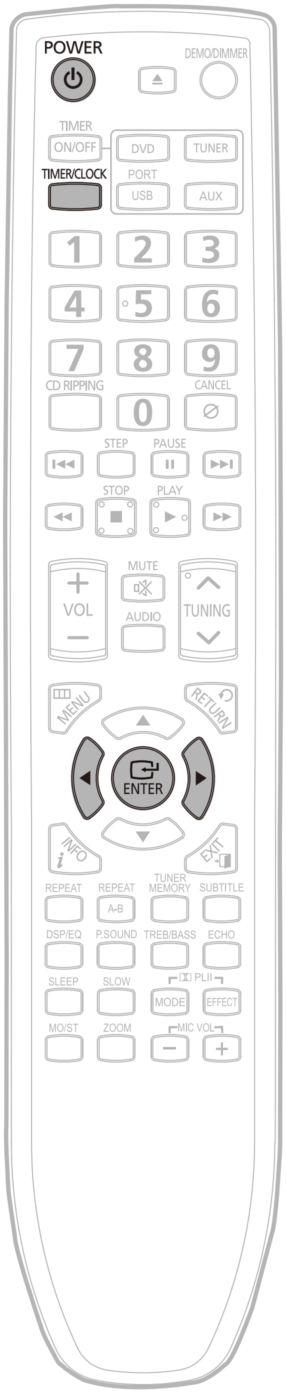
- Increase the minutes : ▶
- Decrease the minutes : ◀

5 When the correct time is displayed, press **ENTER**.

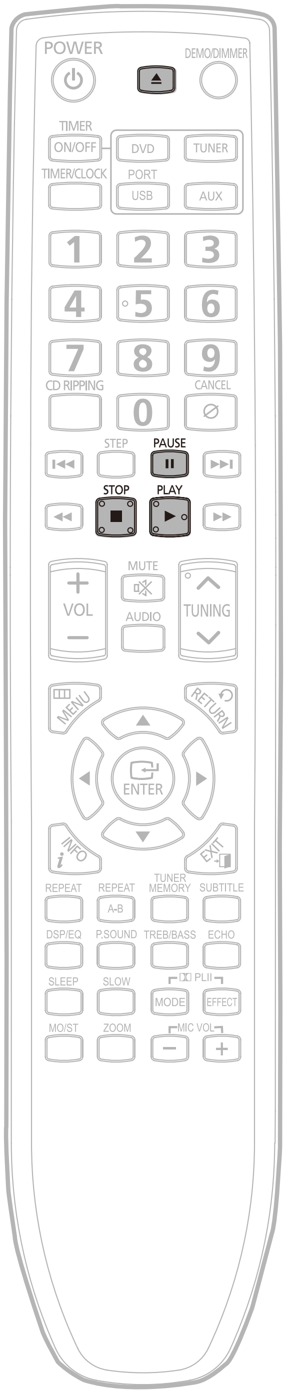
- "TIMER" appears in the display.
- The current time is now set.

Note

- You can display the time, even when you are using another function, by pressing **TIMER/CLOCK** once.
- You can also use ⏮ ⏭ on the main set instead of ◀ ▶ buttons in step 3,4.


POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

Disc Playback


POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

1 Press **OPEN/CLOSE** button to open the disc tray.

2 Load a disc.

- Place a disc gently into the tray with the disc's label facing up.

3 Press **OPEN/CLOSE** button to close the disc tray.

Note

- For mixed discs, the play order is as below:MP3/WMA → DIVX → JPEG.
- Depending on the content of the disc, the initial screen may appear different.
- Depending on the recording mode, some MP3-CDs cannot be played.
- For CD discs, you can press the numeric buttons to select the track, when you press the numeric buttons after 3 seconds, the playback starts automatically.
- Table of contents of a MP3-CD varies depending on the MP3 track format recorded on the disc.
- DTS Audio disc is not supported.
- DVD Audio disc is not supported.

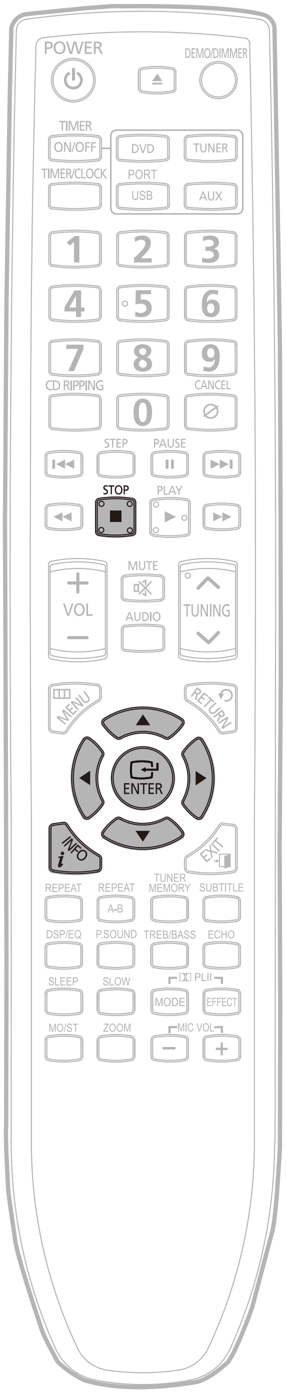
To stop playback, press **STOP** button during playback.

- If pressed once, the stop position will be stored in memory. If **PLAY** (▶) button is pressed, playback resumes from the stop position. (This function works only with DVDs.)
- If pressed twice, “STOP” is displayed, and if **PLAY** (▶) button is pressed, playback starts from the beginning.

To temporarily pause playback, press **PAUSE** button during playback.

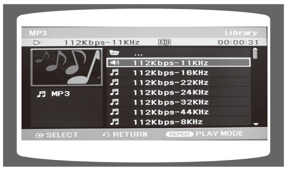
- To resume playback, press **PLAY(▶)** button again.

MP3/WMA-CD Playback


POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

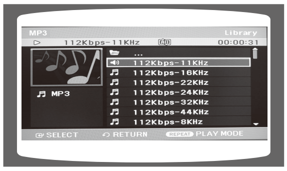
1 Load the MP3/WMA disc.

- The MP3/WMA menu screen will appear and playback will start.
- The appearance of the menu depends on the MP3/WMA disc.
- WMA-DRM files cannot be played.


MP3
Library
112Kbps-11KHz
00:00:31
...
112Kbps-11KHz
112Kbps-16KHz
112Kbps-22KHz
112Kbps-24KHz
112Kbps-32KHz
112Kbps-44KHz
112Kbps-8KHz
MP3
SELECT
RETURN
REPEAT PLAY MODE

2 Use ◀ ▶ ▲ ▼ to select the album, and then press the **ENTER** button.

- Use ▲ ▼to select the track.


MP3
Library
112Kbps-11KHz
00:00:31
...
112Kbps-11KHz
112Kbps-16KHz
112Kbps-22KHz
112Kbps-24KHz
112Kbps-32KHz
112Kbps-44KHz
112Kbps-8KHz
MP3
SELECT
RETURN
REPEAT PLAY MODE

3 To change the album, use ◀ ▶ ▲ ▼ to select another album in Stop mode, and then press the **ENTER** button.

- To select another album and track, repeat Steps 2 and 3 above.

4 Press the **STOP** button to stop playback.

Note

- Depending on the recording mode, some MP3/WMA-CDs may not be played.
- Table of contents of a MP3-CD varies depending on the MP3/WMA track format recorded on the disc.

JPEG File Playback JPEG

Images captured with a digital camera or camcorder, or JPEG files on a PC can be stored on a CD and then played back with this DVD player.

Rotate/Flip Function

Press Cursor ▲, ▼, ◀ , ▶ buttons during playback.

Press ▲ button, the picture will rotate as clockwise.

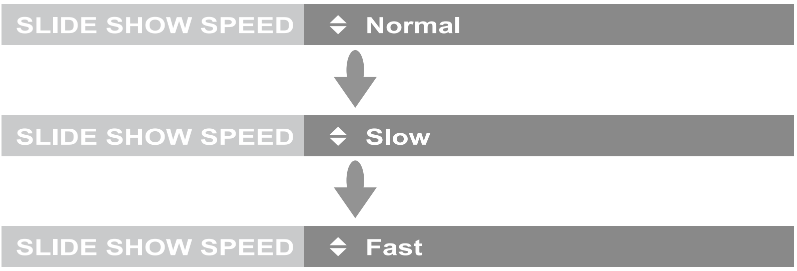
Press ▼ button, the picture will rotate as counter-clockwise.

Press ◀ button, it will display the previous picture.

Press ▶ button, it will display the next picture.

Slide Show play Function

Press INFO button during playback, and then press **INFO** button or Cursor ▲, ▼ buttons to select the Slide Show Speed, the playback speed changes as follows:



SLIDE SHOW SPEED ⇕ Normal

SLIDE SHOW SPEED ⇕ Slow

SLIDE SHOW SPEED ⇕ Fast

DivX Playback

Skip Forward/Back

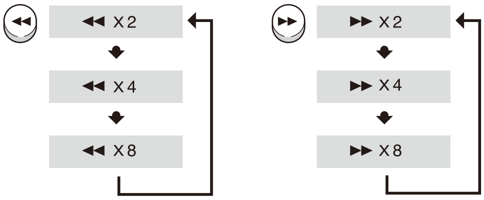
During playback, press the ⏮, ⏭ button.

- Go to the next file whenever you press ⏭ button, if there are over 2 files in the disk.
- Go to the previous file whenever you press ⏮ button, if there are over 2 files in the disk.

Fast playback

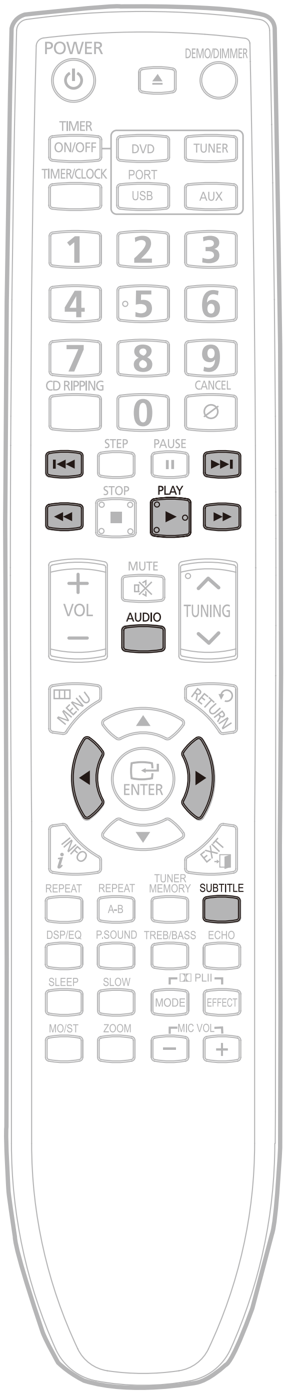
Press ⏪, ⏩ button.

- Each time the button is pressed during playback,



⏪ X2
⏪ X4
⏪ X8
⏩ X2
⏩ X4
⏩ X8

- To resume normal playback, press PLAY (▶) button.



POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

5 Minutes Skip function

During playback, press the ◀ , ▶ button.

- Go to the screen 5 minutes after whenever you press ▶ button.
- Go to the screen 5 minutes earlier whenever you press ◀ button.

Note
- For MPG format files, 5 minute skip function is not supported.

Audio Display

Press the **AUDIO** button.

- If there are multiple audio tracks on a disc, you can toggle between them.
- Each time you press the button, your selection will toggle between AUDIO(OFF, 1/1, 1/2 ...).

AUDIO CH1 DOLBY DIGITAL 5.1 CH

Subtitle Display

Press the **SUBTITLE** button.

- Each time you press the button, your selection will changed as below:

SUBTITLE OFF ➡ SUBTITLE KOR

- If the disc has only one subtitle file, it will be played automatically.
- Up to 8 subtitle languages are supported.

DivX Feature Table

DivX Supported
Avi files are used to contain the audio and video data; these must be stored on CD in the ISO 9660 format.

		SPEC
VIDEO Compatibility	DivX3.11	Up to the latest VERSION
AUDIO Compatibility	MP3	CBR : 8kbps~320kbps
	AC3	CBR : 32kbps~640kbps
	WMA	CBR1:Stereo case:48kbps~384kbps
		CBR2:Mono case:64kbps~192kbps

MPEGs containing DivX can be divided into Video and Audio.

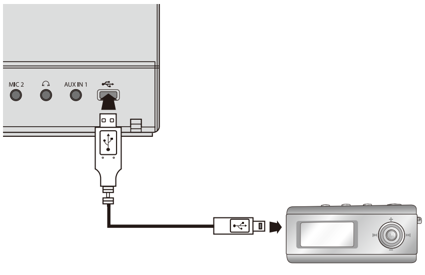
- **Video compatibility** : All versions of DivX later than 3.11 (including the latest 5.1) are supported. In addition, XviD is supported.
- **Audio compatibility** : MP3s encoded at bit rates from 8kbps to 320kbps, AC3s from 32kbps to 640kbps, and WMAs from 48kbps to 384kbps are supported.
- **In addition, for subtitles, this unit will support Text format (SMI).**

Note
- When playing the DivX disc, you can play the file with extension of AVI only.
- Among the available DivX audio formats, DTS Audio is not supported.
- When burning a subtitle file to a CD-ROM with your PC, be sure to burn it as an SMI file.
- MPEG 1 Layer 1 (MP1) is not supported.

Playing Media Files using the USB feature

You can connect and play files from external USB storage devices such as MP3 players, USB flash memory, etc. using the player's USB function.

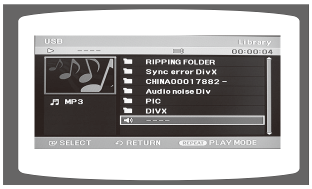
1 Connect the USB cable.



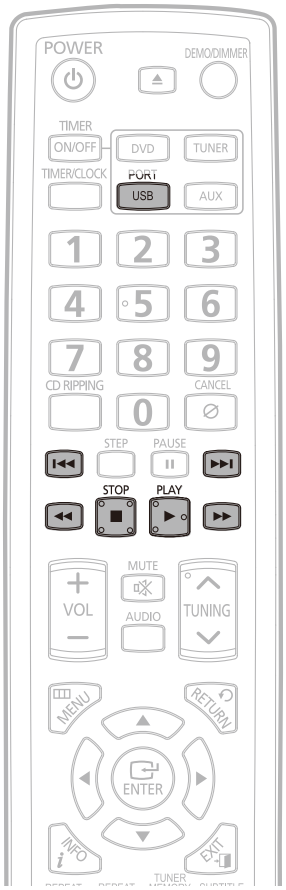
MIC 2
AUX IN 1

2 Press the **FUN.** button on the main set or the **PORT** button on the remote control to select the USB mode.

- USB SORTING screen appears on the TV screen and the saved file is played.



USB
Library
00:00:04
RIPPING FOLDER
Sync error DivX
CHINA00017882 -
Audio noise Div
PIC
DIVX
MP3
SELECT
RETURN
REPEAT PLAY MODE



POWER
DEMO/DIMMER
TIMER
ON/OFF
TIMER/CLOCK
DVD
TUNER
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
TUNER

To stop playback, press the **STOP** (■) button.

Note

- Video files (DivX, MPEG, etc.) are supported.
- To prevent the loss of data saved in the USB device, please turn the unit off or switch it to another mode before disconnecting the USB cable.
- The play order is as follow: MP3/WMA → DIVX → JPEG.

Skip Forward/Back

During playback, press the ⏮, ⏭ button.

- When there is more than a file, when you press the ⏭ button, the next file is selected.
- When there is more than a file, when you press the ⏮ button, the previous file is selected.

Fast playback

To play back the disc at a faster speed, press ⏪ or ⏩ button during playback.

- Each time you press either button, the playback speed will change as follows:

⏪x 2 → ⏪x 4 → ⏪x 8 or ⏩x 2 → ⏩x 4 → ⏩x 8

- To resume normal playback, press PLAY (▶) button.

USB Host Specification

USB Host Specification	• Supports USB 1.1 or USB 2.0 compliant devices. • Supports devices connected using the USB A type cable. • Supports UMS (USB Mass Storage Device) V1.0 compliant devices. • Supports the device of which the connected drive is formatted in the FAT(FAT, FAT16, FAT32) file system.
Non-compliance	• Does not support a device that requires installing a separate driver on the PC (Windows). • Does not support connection to a USB hub. • A USB device that is connected using the USB extension cable may not be recognized. • A USB device requiring a separate power source needs to be connected to the player with the separate power connection.
Operational Limitations	• If the connected device has multiple drives (or partitions) installed, only one drive (or partition) can be connected. • A device supporting USB 1.1 alone may cause a difference in the picture quality, depending on the device.

Compliant Devices

1. USB Storage Device
2. MP3 Player
3. Digital Camera
4. Removable HDD
    - Removable HDDs equipped with less than 160 Gbytes are supported. Removable HDDs equipped with 160Gbytes or more may not be recognized, depending on the device.
    - If the connected device does not work due to insufficient power supply, you can use a separate power cable to supply power so that it can work properly. The connector of the USB cable may differ, depending on the manufacturer of the USB device.
5. USB card Reader: One slot USB card reader and Multi slot USB card reader.
    - Depending on the manufacturer. the USB card reader may not be supported.
    - If you install multiple memory devices into a multi card reader, you may experience problems.

Compliant File Formats

Format	File name	File extension	Bit rate	Version	Pixel	Sampling Frequency
Still Picture	JPG	JPG .JPEG	–	–	640x480	–
Music	MP3	.MP3	8~320kbps	–	–	44.1kHz
	WMA	.WMA	Stereo:48~384kbps Mono:64~192kbps	V8	–	44.1kHz
Movie	DivX	.AVI	4Mbps	DivX3.11~ DivX5.1, XviD	720x480	44.1KHz~48KHz

- CBI (Control/Bulk/Interrupt) is not supported.
- Digital Cameras that use PTP protocol or require additional program installation when connected to a PC are not supported.
- A device using NTFS file system is not supported. (Only FAT 16/32 (File Allocation Table 16/32) file system is supported.)
- Does not operate with Janus enabled MTP (Media Transfer Protocol) devices.
- MPEG 1 Layer 1 (MP1) is not supported.

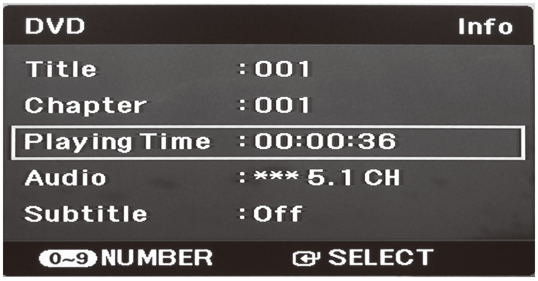
Displaying Disc Information

You can view playback information on the disc on the TV screen.

Press **INFO** button.

- Press Cursor ▲ , ▼ buttons select the desired item, and then press ENTER button to select the desired item.

DVD



DVD Info

Title : 001

Chapter : 001

Playing Time : 00:00:36

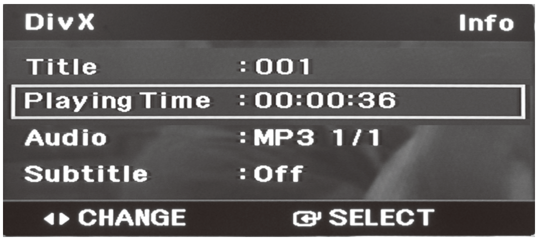
Audio : *** 5.1 CH

Subtitle : Off

⬇

Display disappears

DIVX



DivX Info

Title : 001

Playing Time : 00:00:36

Audio : MP3 1/1

Subtitle : Off

⬇

Display disappears

- **What is a Title?**
  A movie contained in a DVD disc.

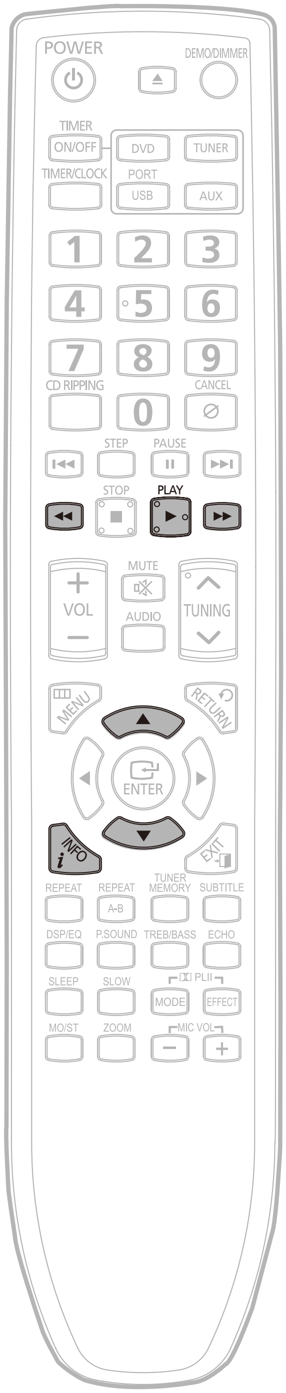
- **What is a Chapter?**
  Each title on a DVD disc is divided into several smaller sections called "chapters".

- ∅ **appears on the TV screen!**
  If this symbol appears on the TV screen while buttons are being operated, that operation is not possible with the disc currently being played.

Note

- Depending on the disc, the disc information display may appear different.
- Depending on the disc, you can also select DOLBY DIGITAL, or PRO LOGIC.

Fast Playback


POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

Fast Playback DVD CD MP3

Press ◀◀, ▶▶ buttons.

- Each time you press either button during playback, the playback speed changes as follows:

DVD

◀◀
◀◀ X 2 → ◀◀ X 4 → ◀◀ X 8 → ◀◀ X 16 → ◀◀ X 32 → ◀◀ X 128 → ◀◀ X 2

▶▶
▶▶ X 2 → ▶▶ X 4 → ▶▶ X 8 → ▶▶ X 16 → ▶▶ X 32 → ▶▶ X 128 → ▶▶ X 2

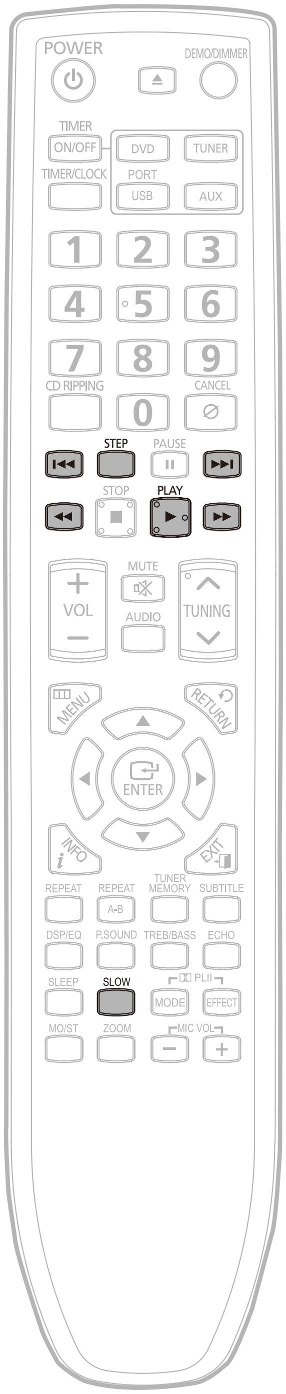
CD
MP3

◀◀
◀◀ X 2 → ◀◀ X 4 → ◀◀ X 8 → ◀◀ X 2

▶▶
▶▶ X 2 → ▶▶ X 4 → ▶▶ X 8 → ▶▶ X 2

- To resume normal playback, press PLAY (▶) button.

Slow Playback


POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

Slow Playback

Press SLOW button.

- Each time the button is pressed during playback, the playback speed changes as follows:

DVD DivX

I▶1/2 ➔ I▶1/4 ➔ I▶1/8

- In Pause mode or Slow mode, you can use the ◀◀, ▶▶ button to select as below:

▶▶ I▶1/2 ➔ I▶1/4 ➔ I▶1/8

◀◀ ◀I1/2 ➔ ◀I1/4 ➔ ◀I1/8

- To resume normal playback, press PLAY (▶) button.

Note

- During fast playback of a CD or MP3-CD, sound is not heard.
- No sound is heard during slow playback and step motion playback.
- During slow playback of a DIVX, the playback speed maybe abnormal.

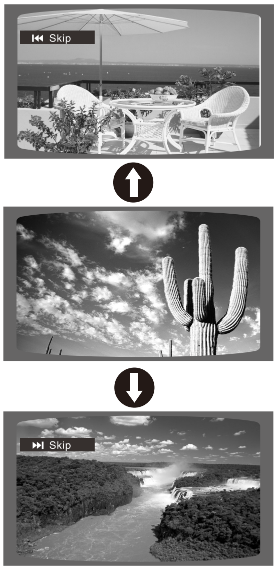
Skipping Scenes/Songs

DVD MP3 JPEG DIVX CD

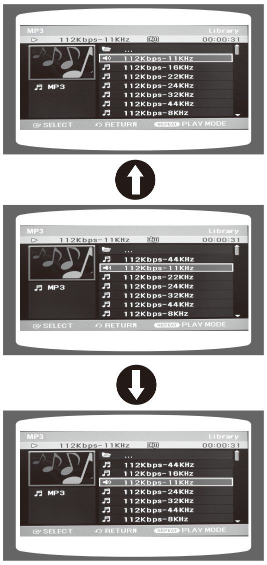
Briefly press ⏮, ⏭.

- Each time the button is pressed briefly during playback, the previous or next chapter, track, or directory (file) will be played.

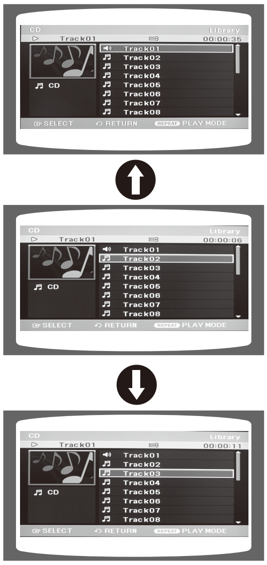
DVD JPEG DIVX



MP3


MP3
Library
112Kbps-11KHz
00:00:31
...
112Kbps-11KHz
112Kbps-16KHz
112Kbps-22KHz
112Kbps-24KHz
112Kbps-32KHz
112Kbps-44KHz
112Kbps-8KHz
MP3
SELECT
RETURN
REPEAT PLAY MODE

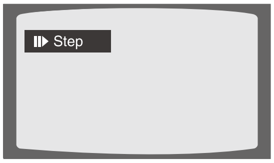
CD


CD
Library
Track01
00:00:35
00:00:06
00:00:11
Track01
Track02
Track03
Track04
Track05
Track06
Track07
Track08
CD
SELECT
RETURN
REPEAT PLAY MODE

Playing Frame by Frame DVD DIVX

Press **STEP** button.

- The picture moves forward one frame each time the button is pressed during playback.



Repeat Playback

Repeat playback allows you to repeatedly play a chapter, title, track (song), or directory (MP3 file).

DVD CD MP3 DIVX

Press **REPEAT** button.

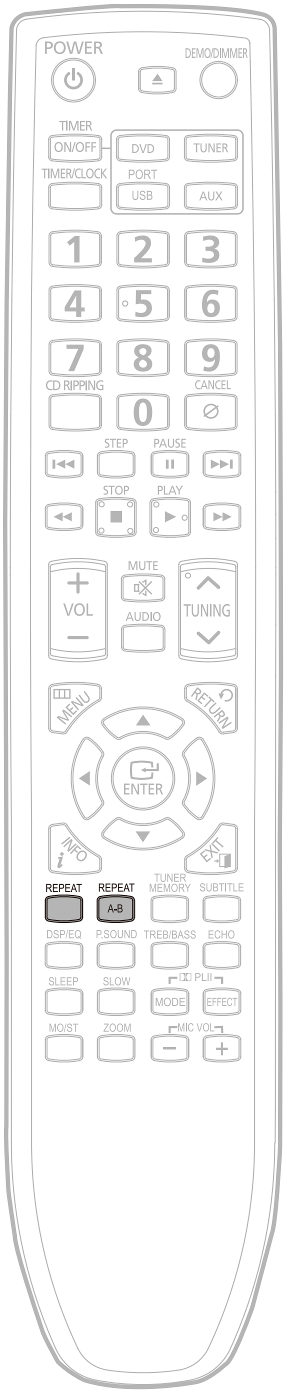
- Each time the button is pressed during playback, the repeat playback mode changes as follow:

DVD **Title → Chapter → Off**

DIVX **Track → Folder → Off**

MP3 ⇉ → 🔂 → 🔁 → ALL → 🔀

CD ⇉ → 🔂 → ALL → 🔀

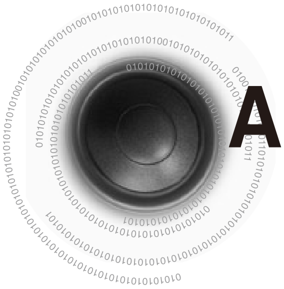


POWER
DEMO/DIMMER
TIMER ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

Repeat Playback Options

- **Track**: Repeatedly plays the selected track.
- **Folder**: Repeatedly plays all tracks in the selected folder.
- **Title**: Repeatedly plays the selected title.
- **Chapter**: Repeatedly plays the selected chapter.
- **Off**: Cancels Repeat Playback.

- ⇉ Normal (Audio CD(CD-DA)/MP3): Tracks on a disc are played in the order in which they were recorded on the disc.
- 🔂 Repeat track (Audio CD(CD-DA)/MP3)
- 🔁 Repeat Folder (MP3)
- ALL Repeat All (Audio CD(CD-DA)): All tracks are repeated.
- 🔀 Shuffle (Audio CD(CD-DA)/MP3)(Each track can be played one time.)
  - When playing an Audio CD(CD-DA): The shuffle option plays a disc's tracks in shuffle order.
  - When playing an MP3 disc : The shuffle option plays a folder's file in shuffle order.



A↔B Repeat Playback

DVD CD MP3 DIVX

1 Press the **REPEAT A-B** button at the point where you want repeat play to start (A).

DVD DIVX — Repeat A-B | A-

CD MP3 — A-B A-

2 Press the **REPEAT A-B** button at the point where you want repeat play to stop (B).

DVD DIVX — Repeat A-B | A-B

CD MP3 — A-B A-B

3 To return to nomal play, press the **REPEAT A-B** button again.

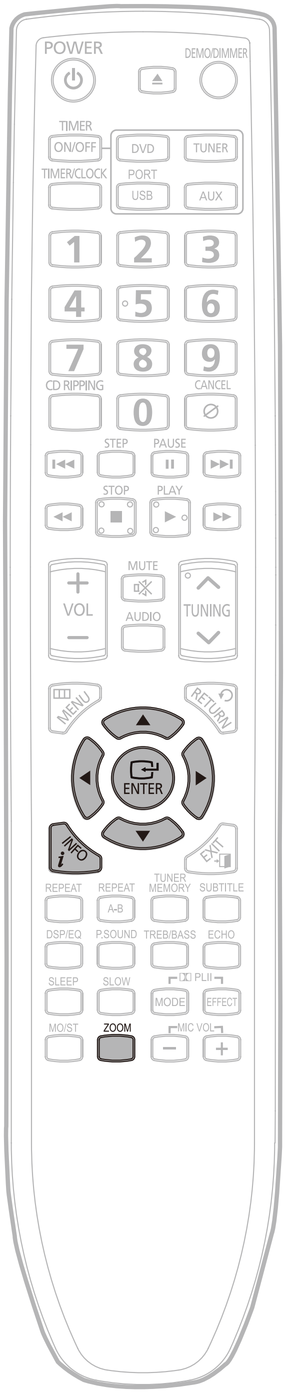
DVD DIVX — Repeat A-B | Off

CD MP3 — ⇉

- The A-B Repeat function does not operate with JPEG disc.
- The time space of point A and B should be more than 6 seconds.

Zoom Function

This function allows you to enlarge a particular area of the displayed image.


POWER
DEMO/DIMMER
TIMER
ON/OFF
TIMER/CLOCK
DVD
TUNER
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

Zoom (Screen Enlarge) Function

DVD DIVX JPEG

1 Press **ZOOM** button.

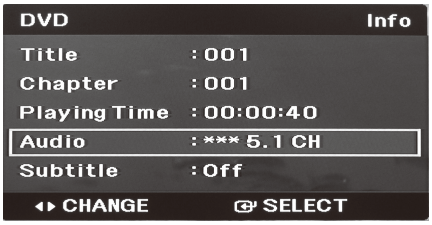
Each time the button is pressed, the zoom level changes as follow:
2 x → 4 x → OFF.

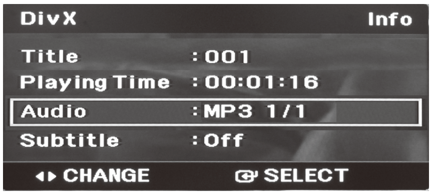
2 Press Cursor ▲, ▼, ◀, ▶ buttons to move the area.

Selecting Audio/Subtitle Language

Audio Language Selection Function DVD DIVX

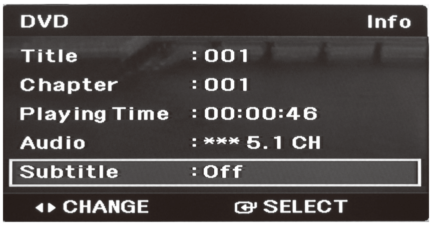
1. Press **INFO** button.
2. Press Cursor ▲ ,▼ buttons to select the **Audio**.
3. Press Cursor ◀ ,▶ buttons to select the desired Audio language.
   - Depending on the number of languages on a DVD disc, a different audio language (ENGLISH, SPAIN,FRENCH, etc.) is selected each time the button is pressed.

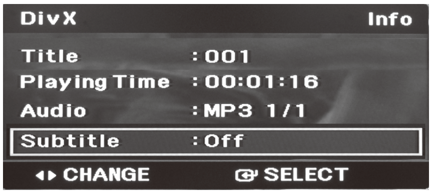

DVD Info
Title : 001
Chapter : 001
Playing Time : 00:00:40
Audio : *** 5.1 CH
Subtitle : Off
◀▶ CHANGE ⏎ SELECT


DivX Info
Title : 001
Playing Time : 00:01:16
Audio : MP3 1/1
Subtitle : Off
◀▶ CHANGE ⏎ SELECT

Subtitle Language Selection Function DVD DIVX

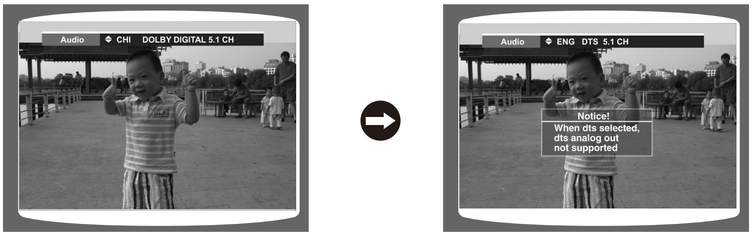
1. Press **INFO** button.
2. Press Cursor ▲ ,▼ buttons to select the **Subtitle**.
3. Press Cursor ◀ ,▶ buttons to select the desired Subtitle language.


DVD Info
Title : 001
Chapter : 001
Playing Time : 00:00:46
Audio : *** 5.1 CH
Subtitle : Off
◀▶ CHANGE ⏎ SELECT


DivX Info
Title : 001
Playing Time : 00:01:16
Audio : MP3 1/1
Subtitle : Off
◀▶ CHANGE ⏎ SELECT

Note

- You can use the AUDIO or SUBTITLE button on the remote control to select an audio or subtitle language.
- Depending on the disc, the Subtitle and Audio Language functions may not work.
- When you use AUDIO button to select "DTS", sound is not heard, and the TV displays as below:

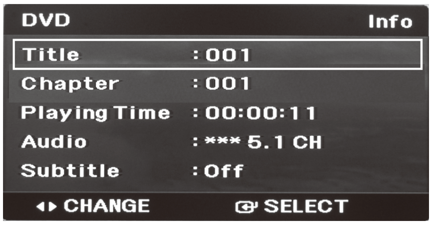

Audio ⇕ CHI DOLBY DIGITAL 5.1 CH

Audio ⇕ ENG DTS 5.1 CH

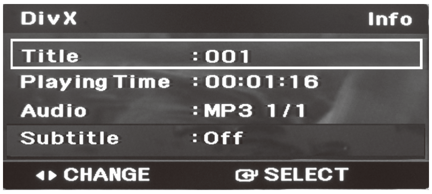
Notice!
When dts selected,
dts analog out
not supported

Moving Directly to a Scene /Song

Moving to a Title DVD DIVX



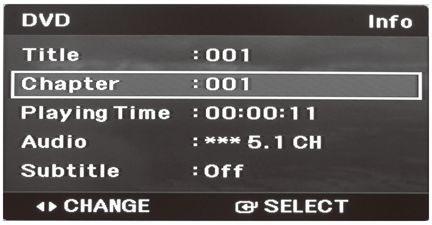
DVD Info
Title : 001
Chapter : 001
Playing Time : 00:00:11
Audio : *** 5.1 CH
Subtitle : Off
◂▸ CHANGE ⏎ SELECT



DivX Info
Title : 001
Playing Time : 00:01:16
Audio : MP3 1/1
Subtitle : Off
◂▸ CHANGE ⏎ SELECT

1. Press **INFO** button.
2. Press Cursor ▲ ,▼ buttons to select the **Title**.
3. Press Cursor ◀,▶ or numeric buttons to select the desired Title and then press **ENTER** button.

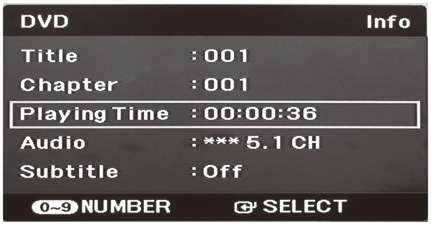
Moving to a Chapter DVD



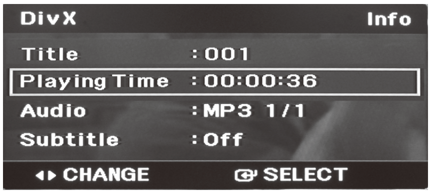
DVD Info
Title : 001
Chapter : 001
Playing Time : 00:00:11
Audio : *** 5.1 CH
Subtitle : Off
◂▸ CHANGE ⏎ SELECT

1. Press **INFO** button.
2. Press Cursor ▲ ,▼ buttons to select the **Chapter**.
3. Press Cursor ◀,▶ or numeric buttons to select the desired Chapter and then press **ENTER** button.

Moving to a Time DVD DIVX



DVD Info
Title : 001
Chapter : 001
Playing Time : 00:00:36
Audio : *** 5.1 CH
Subtitle : Off
0~9 NUMBER ⏎ SELECT



DivX Info
Title : 001
Playing Time : 00:00:36
Audio : MP3 1/1
Subtitle : Off
◂▸ CHANGE ⏎ SELECT

1. Press **INFO** button.
2. Press Cursor ▲ ,▼ buttons to select the **Playing Time**.
3. Press numeric buttons to select the desired playing time and then press **ENTER** button.

Note

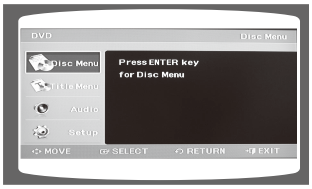
- You can press ⏮,⏭ on the remote control to move directly to the desired chapter.
- Depending on the disc, you may not be able to move to the selected title or time.

Using Disc Menu

You can use the menus for the audio language, subtitle language, profile, etc.
DVD menu contents differ from disc to disc.

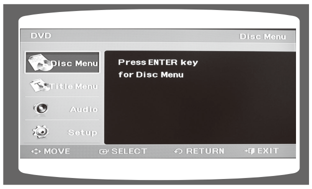
DVD

1 In stop mode, press **MENU** button.


DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

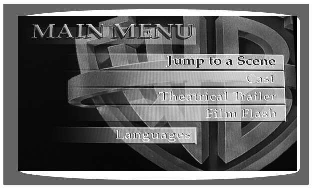
Press ENTER key for Disc Menu

2 Press Cursor ▲,▼buttons to move to 'DISC MENU' and then press **ENTER** button.

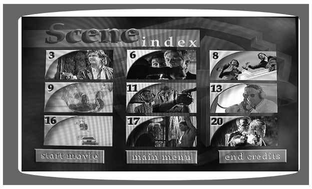

DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

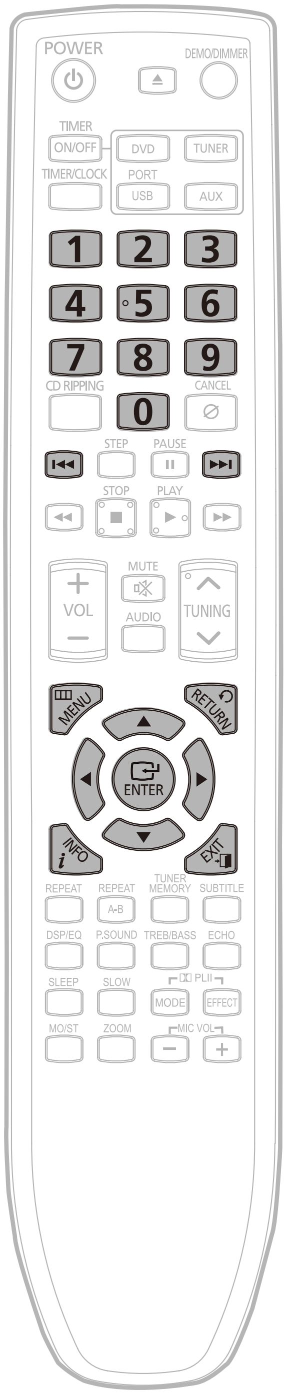
Press ENTER key for Disc Menu

3 Press Cursor ▲,▼ buttons to select the desired item and then press **ENTER** button.


MAIN MENU
Jump to a Scene
Cast
Theatrical Trailer
Film Flash
Languages

4 Press Cursor ▲,▼ ◀,▶ buttons to select the desired item and then press **ENTER** button.


Scene index
3
6
8
9
11
13
16
17
20
start movie
main menu
end credits


POWER
DEMO/DIMMER
TIMER
ON/OFF
TIMER/CLOCK
DVD
TUNER
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

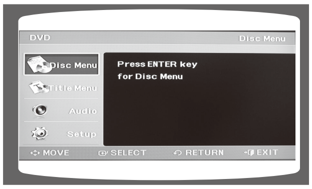
Press **EXIT** button to exit the setup screen.

Using the Title Menu

For DVDs containing multiple titles, you can view the title of each movie.
Depending on the disc, this function may either not work at all or may work differently.

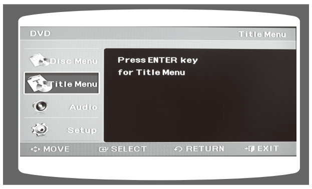
DVD

1 In stop mode, press **MENU** button.


DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

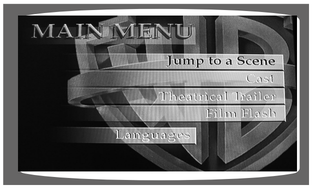
Press ENTER key for Disc Menu

2 Press Cursor ▲, ▼ button to move to 'Title Menu' and then press **ENTER** button.

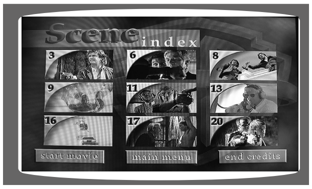

DVD
Title Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

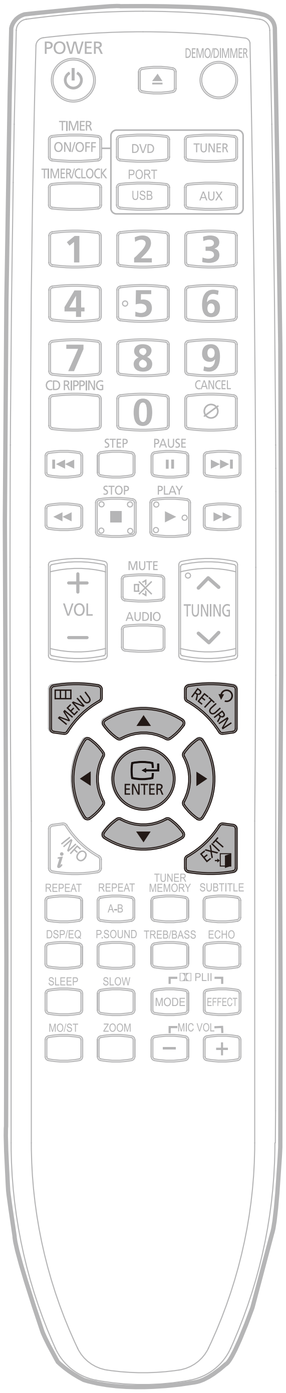
Press ENTER key for Title Menu

3 Press Cursor ▲, ▼ buttons to select the desired item and then press **ENTER** button.


MAIN MENU
Jump to a Scene
Cast
Theatrical Trailer
Film Flash
Languages

4 Press Cursor ▲, ▼ ◀ , ▶ buttons to select the desired item and then press **ENTER** button.


Scene index
3
6
8
9
11
13
16
17
20
start movie
main menu
end credits


POWER
DEMO/DIMMER
TIMER
ON/OFF
TIMER/CLOCK
DVD
TUNER
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
VOL
MUTE
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

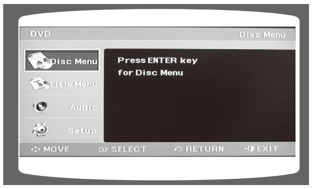
Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Setting the Language

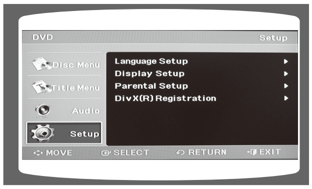
OSD language is set to English by default.

1 In stop mode, press **MENU** button.

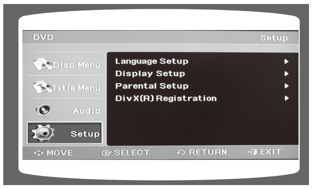

DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

Press ENTER key for Disc Menu

2 Press Cursor ▲,▼ button to move to 'Setup' and then press **ENTER** button.

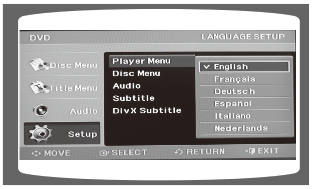

DVD
Setup
Disc Menu
Title Menu
Audio
Setup
Language Setup
Display Setup
Parental Setup
DivX(R) Registration
MOVE
SELECT
RETURN
EXIT

3 Press Cursor ▲,▼ button to select the 'Language Setup' and then press **ENTER** button.

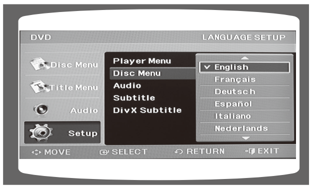

DVD
Setup
Disc Menu
Title Menu
Audio
Setup
Language Setup
Display Setup
Parental Setup
DivX(R) Registration
MOVE
SELECT
RETURN
EXIT

4 Press Cursor ▲,▼ button to select the desired language and then press **ENTER** button.

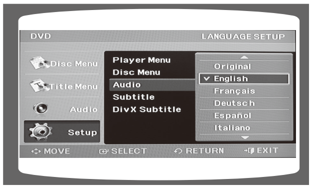
- Once the setup is complete, if the language was set to English, OSD will be displayed in English.


DVD
LANGUAGE SETUP
Disc Menu
Title Menu
Audio
Setup
Player Menu
Disc Menu
Audio
Subtitle
DivX Subtitle
✓ English
Français
Deutsch
Español
Italiano
Nederlands
MOVE
SELECT
RETURN
EXIT

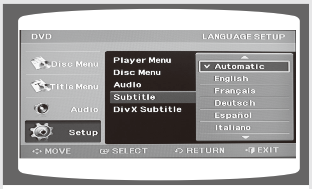
Selecting the
Player Menu Language


DVD
LANGUAGE SETUP
Disc Menu
Title Menu
Audio
Setup
Player Menu
Disc Menu
Audio
Subtitle
DivX Subtitle
✓ English
Français
Deutsch
Español
Italiano
Nederlands
MOVE
SELECT
RETURN
EXIT

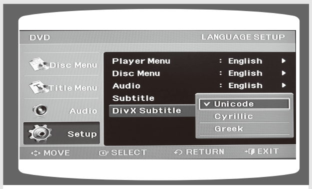
Selecting the
Disc Menu Language
(recorded on the disc)


DVD
LANGUAGE SETUP
Disc Menu
Title Menu
Audio
Setup
Player Menu
Disc Menu
Audio
Subtitle
DivX Subtitle
Original
✓ English
Français
Deutsch
Español
Italiano
MOVE
SELECT
RETURN
EXIT

Selecting the
Audio Language
(recorded on the disc)


DVD
LANGUAGE SETUP
Disc Menu
Title Menu
Audio
Setup
Player Menu
Disc Menu
Audio
Subtitle
DivX Subtitle
✓ Automatic
English
Français
Deutsch
Español
Italiano
MOVE
SELECT
RETURN
EXIT

Selecting the Subtitle Language (recorded on the disc)


DVD
LANGUAGE SETUP
Disc Menu
Title Menu
Audio
Setup
Subtitle
DivX Subtitle
✓ Unicode
Cyrillic
Greek
MOVE
SELECT
RETURN
EXIT

Player Menu : English
Disc Menu : English
Audio : English

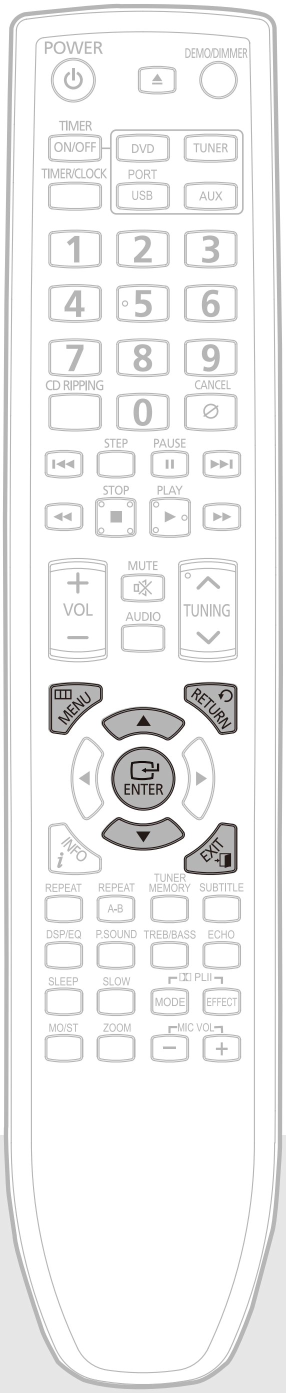
Selecting the DivX Subtitle Language (recorded on the disc)

* If the language you selected is not recorded on the disc, menu language will not change even if you set it to your desired language.

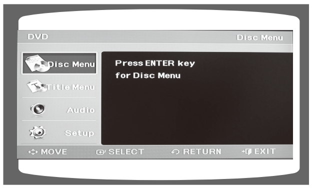
Press **MENU** or **EXIT** button to exit the setup screen.

Press **RETURN** button to return to the previous level.

Setting TV Screen type

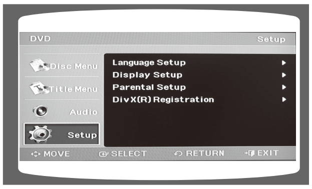

POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

1 In stop mode, press **MENU** button.

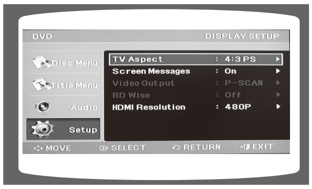

DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

Press ENTER key
for Disc Menu

2 Press Cursor ▲▼ button to move to 'Setup' and then press **ENTER** button.


DVD
Setup
Disc Menu
Title Menu
Audio
Setup
Language Setup
Display Setup
Parental Setup
DivX(R) Registration
MOVE
SELECT
RETURN
EXIT

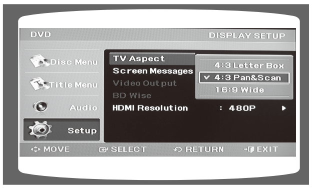
3 Press Cursor ▲ ,▼ button to move to 'Display Setup' and then press **ENTER** button.


DVD
DISPLAY SETUP
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

TV Aspect : 4:3 PS
Screen Messages : On
Video Output : P-SCAN
BD Wise : Off
HDMI Resolution : 480P

4 Press Cursor ▲,▼ button to 'Tv Aspect' and then press **ENTER** button.

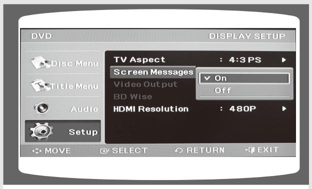
- You can select '4:3 Letter Box', '4:3 Pan&Scan' or '16:9 Wide' mode for your TV.


DVD
DISPLAY SETUP
Disc Menu
Title Menu
Audio
Setup
TV Aspect
Screen Messages
Video Output
BD Wise
4:3 Letter Box
4:3 Pan&Scan
16:9 Wide
MOVE
SELECT
RETURN
EXIT

✓ 4:3 Pan&Scan
HDMI Resolution : 480P

5 Press Cursor ▲ ,▼ button to move to 'Screen Messages' and then press **ENTER** button.

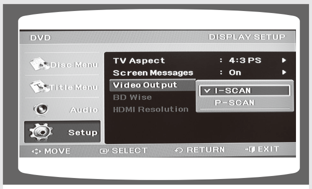
- You can select 'On' or 'Off'.
  On: you can see the screen messages.
  Off: you can't see the screen messages.


DVD
DISPLAY SETUP
Disc Menu
Title Menu
Audio
Setup
Screen Messages
Video Output
BD Wise
On
Off
MOVE
SELECT
RETURN
EXIT

TV Aspect : 4:3 PS
✓ On
HDMI Resolution : 480P

6 Press Cursor ▲,▼ button to 'Video Output' and then press **ENTER** button.

- You can select 'I-SCAN' or 'P-SCAN'.
(see the page 17 about P-SCAN or I-SCAN mode.)


DVD
DISPLAY SETUP
Disc Menu
Title Menu
Audio
Setup
Video Output
BD Wise
HDMI Resolution
I-SCAN
P-SCAN
MOVE
SELECT
RETURN
EXIT

TV Aspect : 4:3 PS
Screen Messages : On
✓ I-SCAN

Adjusting the TV Aspect Ratio (Screen Size)

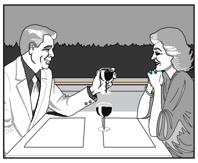
The horizontal to vertical screen size ratio of conventional TVs is 4:3, while that of wide screen and high definition TVs is 16:9. This ratio is called the aspect ratio. When playing DVDs recorded in different screen size, you should adjust the aspect ratio to fit your TV or monitor.

✱ For a standard TV, select either "4:3LB" or "4:3PS" option according to personal preference. Select "16:9" if you have a wide screen TV.

16:9 Wide

: Select this to view a 16:9 picture in the full-screen mode on your wide screen TV.

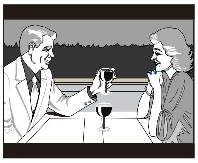
- You can enjoy the wide screen aspect.



4:3LB
(4:3 Letter box)

: Select this to play a 16:9 picture in the letter box mode on a conventional TV.

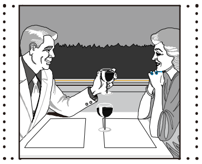
- Black bars will appear at the top and bottom of the screen.



4:3PS
(4:3 Pan&Scan)

: Select this to play a 16:9 picture in the pan & scan mode on a conventional TV.

- You can see the central portion of the screen only (with the sides of the 16:9 picture cut off).



Note

- Since DVD discs are recorded in various image formats, they will look different depending on the software, the type of TV, and the TV aspect ratio setting.

Press **RETURN** button to return to the previous level.

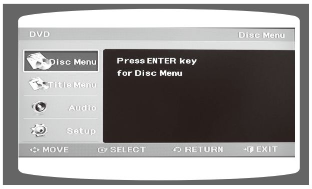
Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Setting Parental Controls (Rating Level)

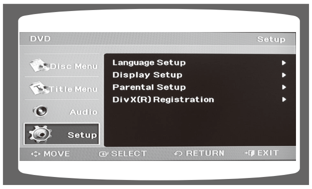
Use this to restrict playback of adult or violent DVDs you do not want children to view.

1 In stop mode, press **MENU** button.

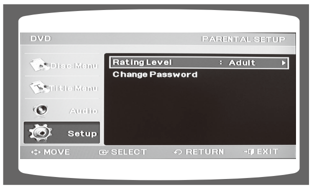

DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

Press ENTER key
for Disc Menu

2 Press Cursor ▲ ▼ button to move to 'Setup' and then press **ENTER** button.


DVD
Setup
Disc Menu
Title Menu
Audio
Setup
Language Setup ▶
Display Setup ▶
Parental Setup ▶
DivX(R) Registration ▶
MOVE
SELECT
RETURN
EXIT

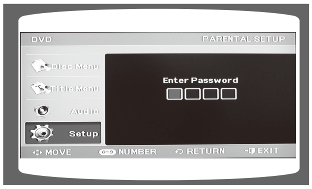
3 Press Cursor ▼ button to move to 'Parental Setup' and then press **ENTER** button.


DVD
PARENTAL SETUP
Disc Menu
Title Menu
Audio
Setup
Change Password
MOVE
SELECT
RETURN
EXIT

Rating Level : Adult ▶

4 Press Cursor ▲, ▼ button to select the 'Rating Level' and then press **ENTER** button.

- If you have selected Level 6, you cannot view DVDs with Level 7 or higher.
- The higher the level, the closer the content is to violent or adult material.


DVD
PARENTAL SETUP
Disc Menu
Title Menu
Audio
Setup
MOVE
0~9 NUMBER
RETURN
EXIT

Enter Password
☐☐☐☐

5 Enter the password and then press **ENTER** button.

- The password is set to "7890" by default.
- Once the setup is complete, you will be taken to the previous screen.

Note

- This function works only if a DVD disc contains the rating level information.

Press **RETURN** button to return to the previous level.

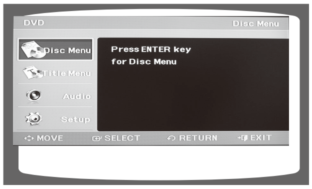
Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Setting the Password

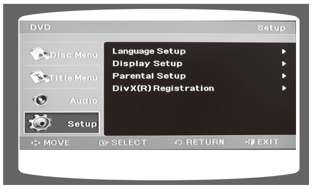
You can set the password for the Parental (rating level) setting.

1 In stop mode, press **MENU** button.

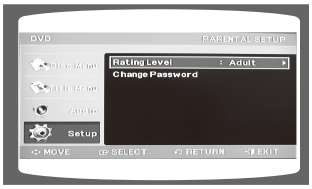

DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

Press ENTER key
for Disc Menu

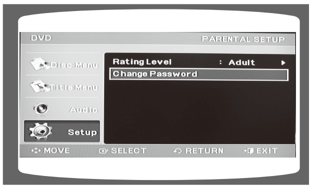
2 Press Cursor ▲ ▼ button to move to ‘Setup’ and then press **ENTER** button.


DVD
Setup
Disc Menu
Title Menu
Audio
Setup
Language Setup ▸
Display Setup ▸
Parental Setup ▸
DivX(R) Registration ▸
MOVE
SELECT
RETURN
EXIT

3 Press Cursor ▼ button to move to ‘Parental Setup’ and then press **ENTER** button.

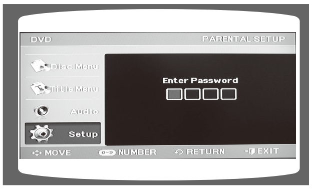

DVD
PARENTAL SETUP
Disc Menu
Title Menu
Audio
Setup
Rating Level : Adult ▸
Change Password
MOVE
SELECT
RETURN
EXIT

4 Press Cursor ▲,▼ button to select the 'Change Password' and then press **ENTER** button.


DVD
PARENTAL SETUP
Disc Menu
Title Menu
Audio
Setup
Rating Level : Adult ▸
Change Password
MOVE
SELECT
RETURN
EXIT

5 Enter the password and then press **ENTER** button.

- Enter the old password, a new password.
- The setting is complete.


DVD
PARENTAL SETUP
Disc Menu
Title Menu
Audio
Setup
Enter Password
☐☐☐☐
MOVE
0~9 NUMBER
RETURN
EXIT

Press **RETURN** button to return to the previous level.

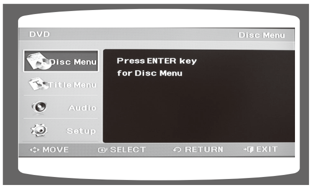
Press **CANCEL** button to cancel the error numeric when you inputting password.

Press **MENU** button to exit the setup screen.

Setting the Speaker Mode

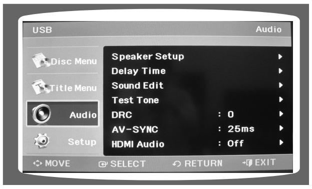
Signal outputs and frequency responses from the speakers will automatically be adjusted according to your speaker configuration and whether certain speakers are used or not.

1 In Stop mode, press **MENU** button.


DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

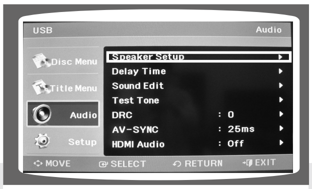
Press ENTER key for Disc Menu

2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.


USB
Audio
Disc Menu
Title Menu
Audio
Setup
Speaker Setup
Delay Time
Sound Edit
Test Tone
MOVE
SELECT
RETURN
EXIT

DRC : 0
AV-SYNC : 25ms
HDMI Audio : Off

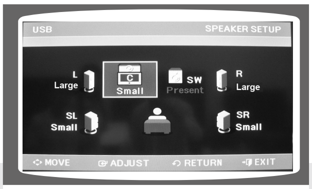
3 Press Cursor ▼ button to move to 'Speaker Setup' and then press **ENTER** button.


USB
Audio
Disc Menu
Title Menu
Audio
Setup
Speaker Setup
Delay Time
Sound Edit
Test Tone
MOVE
SELECT
RETURN
EXIT

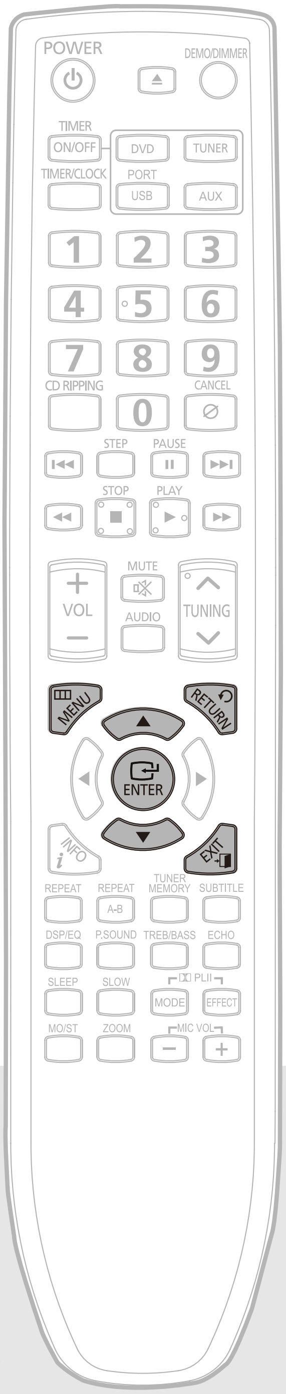
DRC : 0
AV-SYNC : 25ms
HDMI Audio : Off

4 Press Cursor ▲,▼ , ◀,▶ buttons to move to the desired speaker and then press **ENTER** button.

- For C,SL, and SR, each time the button is pressed, the mode switches alternately as follows: SMALL → NONE.
- For L and R, the mode is set to SMALL.


USB
SPEAKER SETUP
MOVE
ADJUST
RETURN
EXIT

L Large
C Small
SW Present
R Large
SL Small
SR Small


POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

SMALL : Select this when using the speakers.
NONE : Select this when no speakers are installed.

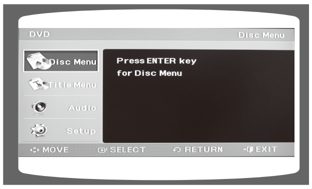
Note

- Although Center CH can toggle between SMALL and NONE,it is not relevant to speaker settings be signals are distributed to FRONT L-CH and R-CH by creating a virtual Center CH.(Default setting is SMALL).
- SPEAKER SETUP ---Available only in DVD.

Setting the Test Tone

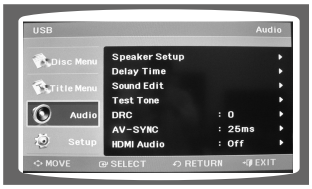
Press the Test Tone to check the speaker connections and to adjust the speaker levels.

1 In Stop mode, press **MENU** button.


DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

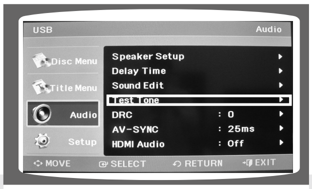
Press ENTER key
for Disc Menu

2 Press Cursor ▼ button to move to ‘Audio’ and then press **ENTER** button.


USB
Audio
Disc Menu
Title Menu
Audio
Setup
Speaker Setup
Delay Time
Sound Edit
Test Tone
MOVE
SELECT
RETURN
EXIT

DRC : 0
AV-SYNC : 25ms
HDMI Audio : Off

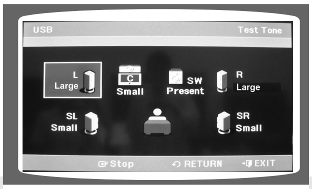
3 Press Cursor ▼ button to move to ‘Test Tone’ and then press **ENTER** button.


USB
Audio
Disc Menu
Title Menu
Audio
Setup
Speaker Setup
Delay Time
Sound Edit
Test Tone
MOVE
SELECT
RETURN
EXIT

DRC : 0
AV-SYNC : 25ms
HDMI Audio : Off

4 Press Cursor ▲,▼ , ◀,▶ buttons to move to the desired speaker and then press **ENTER** button.

- The test tone will be sent to L → C →R → SR → SL → SW in that order. If the ENTER button is pressed againat this time, the test tone will stop.


USB
Test Tone
Stop
RETURN
EXIT

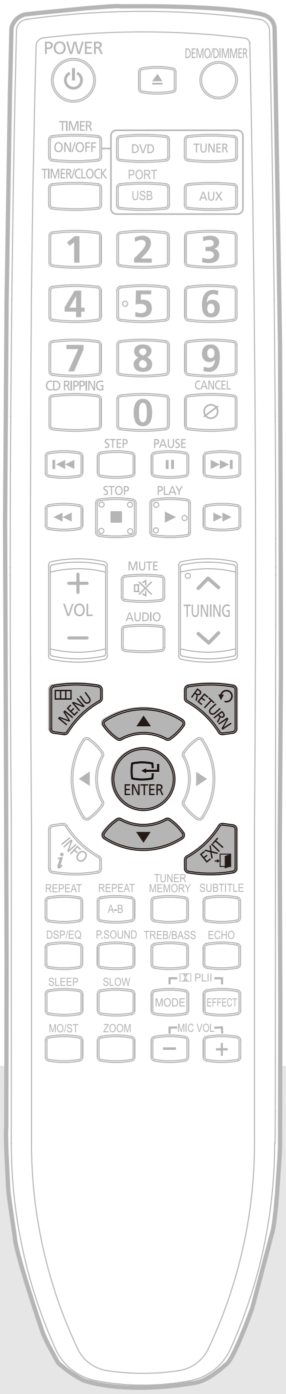
L Large
C Small
SW Present
R Large
SL Small
SR Small

Note
- The test tone functin is not available while HDMI AUDIO ON.

Press **RETURN** button to return to the previous level.

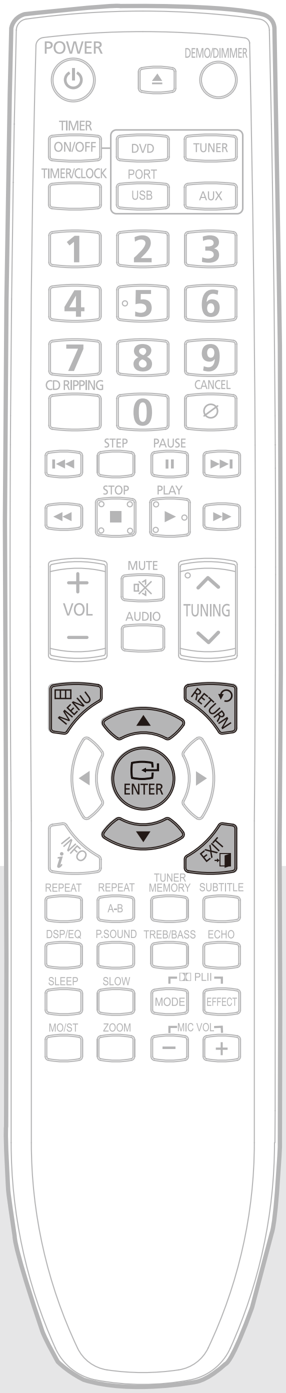
Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

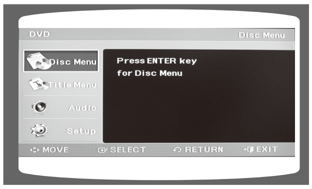

POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

Setting the Delay Time

If the speakers cannot be placed at equal distances from the listening position, you can adjust the delay time of the audio signals from the rear speakers.

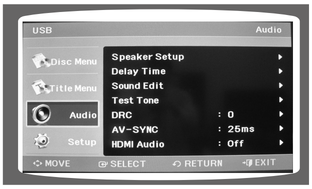

POWER
DEMO/DIMMER
TIMER ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

1 In Stop mode, press **MENU** button.


DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

Press ENTER key for Disc Menu

2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.


USB
Audio
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

Speaker Setup
Delay Time
Sound Edit
Test Tone
DRC : 0
AV-SYNC : 25ms
HDMI Audio : Off

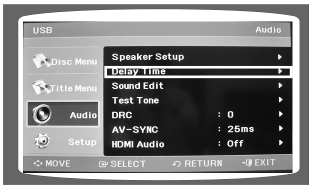
Setting up the Speaker Delay Time

When 5.1CH Surround Sound is played, you can enjoy the best sound if the distance between you and each speaker is the same. Since the sounds arrive at the listening position at different times depending on the placement of speakers, you can adjust this difference by adding a delay effect to the sound of the Center Speaker and Rear Speakers.

Note

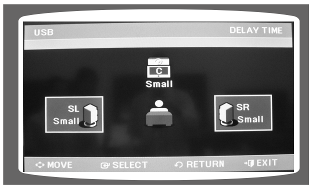
- With DD PLII (Dolby Pro Logic II), the delay time may be different for each mode.

3 Press Cursor ▼ button to move to ‘Delay Time’ and then press **ENTER** button.


USB
Audio
Disc Menu
Title Menu
Audio
Setup
Speaker Setup
Delay Time
Sound Edit
Test Tone
MOVE
SELECT
RETURN
EXIT

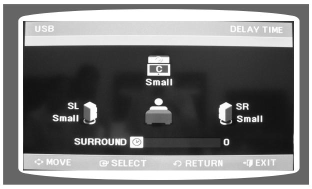
DRC : 0
AV-SYNC : 25ms
HDMI Audio : Off

4 Press Cursor ▲, ▼, ◀, ▶ buttons to move to the desired speaker and then press **ENTER** button.


USB
DELAY TIME
C
Small
SL
Small
SR
Small
MOVE
SELECT
RETURN
EXIT

5 Press Cursor ◀, ▶ to set the Delay time.

- You can set the delay time for C between 00 and 05mSEC and for LS and RS between 00 and 15mSEC.


USB
DELAY TIME
C
Small
SL
Small
SR
Small
MOVE
SELECT
RETURN
EXIT

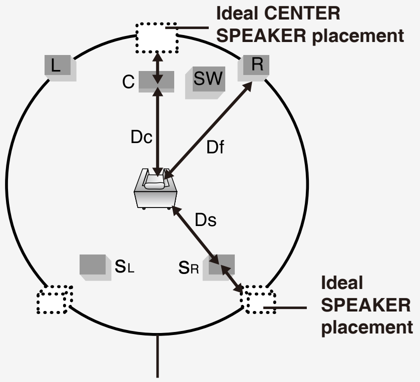
SURROUND 0

- **Setting CENTER SPEAKER**
  If the distance of Dc is equal to or longer than the distance of Df in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between Df and Dc	Delay Time
0.00 m	0 ms
0.34 m	1 ms
0.68 m	2 ms
1.02 m	3 ms
1.36 m	4 ms
1.70 m	5 ms

- **Setting REAR () SPEAKERS**
  If the distance of Df is equal to the distance of Ds in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between Df and Ds	Delay Time
0.00 m	0 ms
1.02 m	3 ms
2.04 m	6 ms
3.06 m	9 ms
4.08 m	12 ms
5.10 m	15 ms

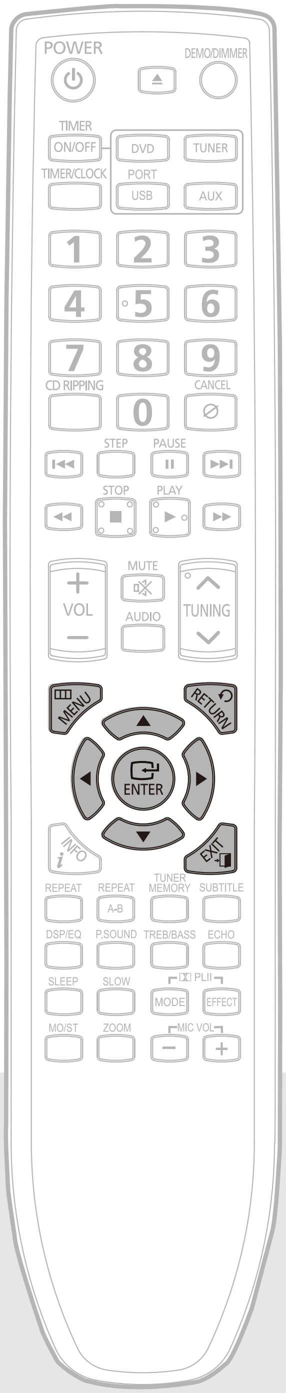

Ideal CENTER SPEAKER placement
L
R
C
SW
Dc
Df
Ds
SL
SR
Ideal SPEAKER placement

It is desirable to place all speakers within this circle.

Df: The distance from FRONT SPEAKER
Dc: The distance from CENTER SPEAKER
Ds: The distance from REAR SPEAKER

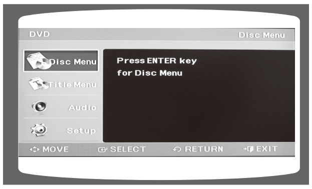
Setting the Audio Quality

You can adjust the balance and level for each speaker.


POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
CANCEL
0
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

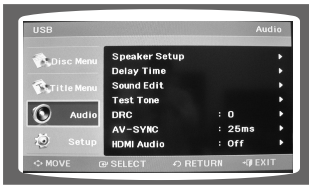
When adjusting the audio quality using the setup screen

1 In Stop mode, press **MENU** button.


DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

Press ENTER key for Disc Menu

2 Press Cursor ▼ button to move to ‘Audio’ and then press **ENTER** button.


USB
Audio
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

Speaker Setup
Delay Time
Sound Edit
Test Tone
DRC : 0
AV-SYNC : 25ms
HDMI Audio : Off

Note

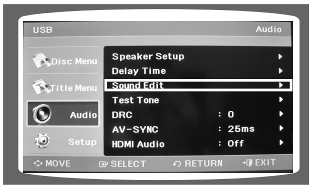
Adjusting Front/Rear Speaker Balance

- You can select between -7 to 7.
- The volume decreases as you move closer to –7.

Adjusting Center/Rear/Subwoofer Speaker Level

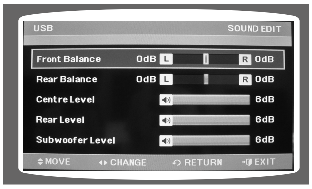
- The volume level can be adjusted in steps from +6dB to –6dB.
- The sound gets louder as you move closer to +6dB and quieter as you get closer to -6dB.

3 Press Cursor ▼ button to move to 'Sound Edit' and then press **ENTER** button.


USB
Audio
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

Speaker Setup
Delay Time
Sound Edit
Test Tone
DRC : 0
AV-SYNC : 25ms
HDMI Audio : Off

4 Press Cursor ▲, ▼ , ◀ , ▶ buttons to move to the desired speaker and then press **ENTER** button.

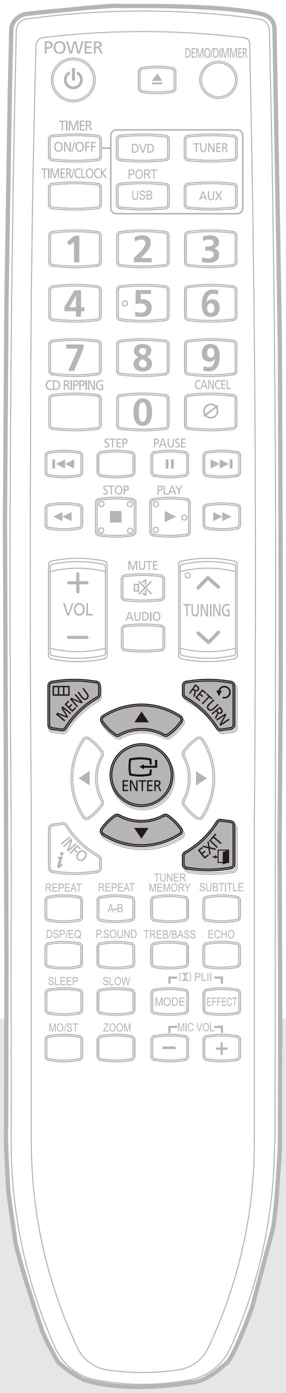

USB
SOUND EDIT
MOVE
CHANGE
RETURN
EXIT

Front Balance 0dB L R 0dB
Rear Balance 0dB L R 0dB
Centre Level 6dB
Rear Level 6dB
Subwoofer Level 6dB

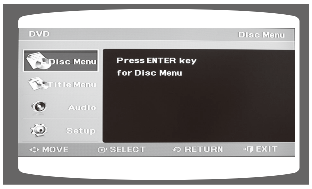
- Press **RETURN** button to return to the previous level.
- Press **MENU** button to exit the setup screen.
- Press **EXIT** button to exit the setup screen.

Setting the DRC (Dynamic Range Compression)

You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.

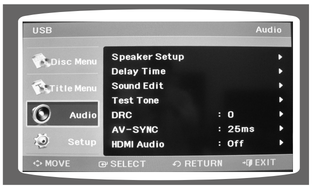

POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

1 In stop mode, press **MENU** button.


DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

Press ENTER key for Disc Menu

2 Press Cursor ▲▼ button to move to 'Audio' and then press **ENTER** button.

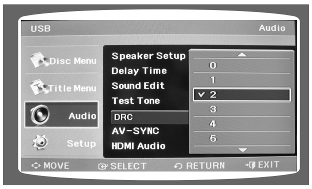

USB
Audio
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

Speaker Setup
Delay Time
Sound Edit
Test Tone
DRC : 0
AV-SYNC : 25ms
HDMI Audio : Off

3 Press Cursor ▲,▼ button to select the 'DRC' and then press **ENTER** button.

4 Press Cursor ▲,▼ to adjust the 'DRC'.

- You can set the DRC between 0 and 8. Set it to the optimal status.


USB
Audio
Disc Menu
Title Menu
Audio
Setup
Speaker Setup
Delay Time
Sound Edit
Test Tone
DRC
AV-SYNC
HDMI Audio
0
1
2
3
4
6
MOVE
SELECT
RETURN
EXIT

Press **RETURN** button to return to the previous level.

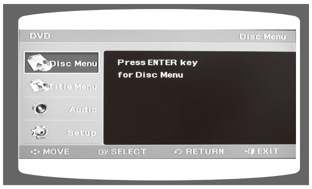
Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

AV SYNC Setup

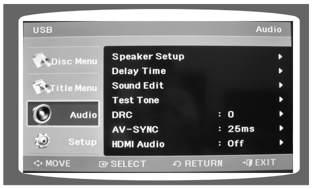
Video may look slower than the audio if it is connected with digital TV.
In this case, adjust the delay time of audio to optimal status to fit the video.

1 In stop mode, press **MENU** button.


DVD
Disc Menu
Disc Menu
Title Menu
Audio
Setup
MOVE
SELECT
RETURN
EXIT

Press ENTER key
for Disc Menu

2 Press Cursor ▲ , ▼ buttons to move to ‘Audio’ and then press **ENTER** button.

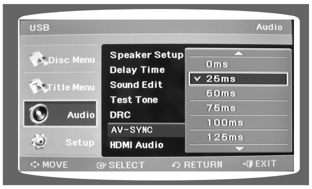

USB
Audio
Disc Menu
Title Menu
Audio
Setup
Speaker Setup
Delay Time
Sound Edit
Test Tone
MOVE
SELECT
RETURN
EXIT

DRC : 0
AV-SYNC : 25ms
HDMI Audio : Off

3 Press Cursor ▲ , ▼ buttons to move to ‘AV-SYNC’ and then press **ENTER** button.

4 Press Cursor ▲ , ▼ buttons to select the Delay Time of AV-SYNC and then press the **ENTER** button.

- You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.


USB
Audio
Disc Menu
Title Menu
Audio
Setup
Speaker Setup
Delay Time
Sound Edit
Test Tone
DRC
AV-SYNC
HDMI Audio
0ms
25ms
50ms
75ms
100ms
125ms
MOVE
SELECT
RETURN
EXIT

✓ 25ms

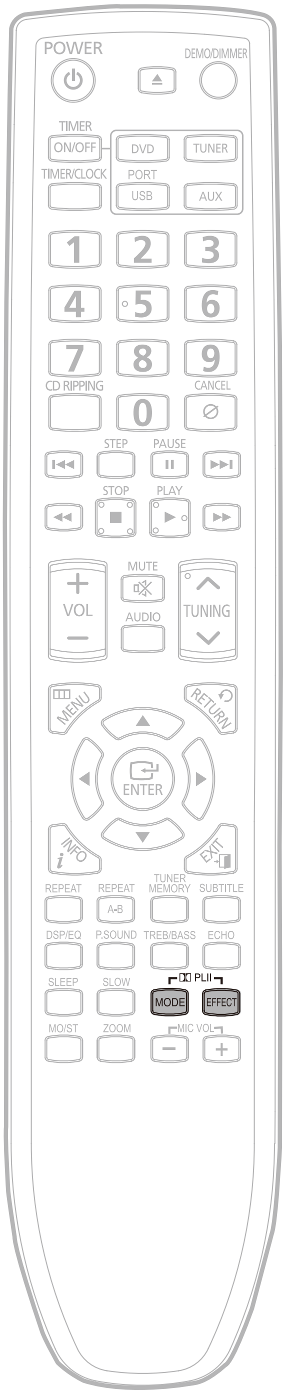
Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Dolby Pro Logic II Mode

You can select the desired Dolby Pro Logic II audio mode.


POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
ᗡD PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

1

Press the ᗡD **PL II MODE** button.

Each time the button is pressed, the mode changes as follows.

MUSIC → CINEMA → PRO LOGIC → MATRIX → STEREO

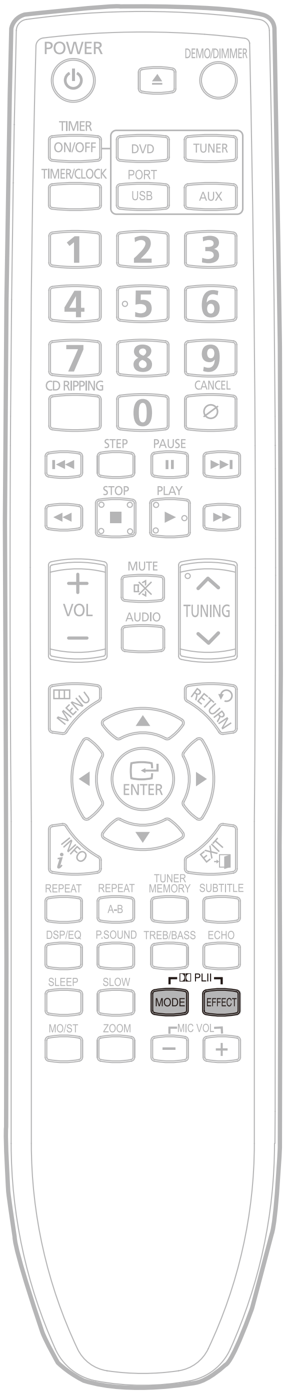
PRO LOGIC II

- MUSIC: When listening to music, you can experience sound effects as if you are listening to the actual performance.
- CINEMA : Adds realism to the movie soundtrack.
- PRO LOGIC : You will experience a realistic multi-channel effect, as if using five speakers, while using just the front left and right speakers.
- MATRIX : You will hear 5.1 channel surround sound.
- **STEREO** : Select this to listen to sound from the front left and right speakers and the subwoofer only.

- When selecting Pro Logic II mode, connect your external device to the AUDIO INPUT jacks
  (L and R) on the player. If you connect to only one of the inputs (L or R), you cannot listen to surround sound.

Dolby Pro Logic II Effect

This function works only in Dolby Pro Logic MUSIC mode.


POWER
DEMO/DIMMER
TIMER
ON/OFF
DVD
TUNER
TIMER/CLOCK
PORT
USB
AUX
1
2
3
4
5
6
7
8
9
CD RIPPING
0
CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

1 Press the ⊐⊏ **PL II MODE** button to select **<MUSIC>** mode.

2 Press the ⊐⊏ **PL II EFFECT** button to select <**PANORAMA**>, then press the Cursor ◀ , ▶ buttons to select the desired effect setting.

- •You can select either 0 or 1.
- •This mode extends the front stereo image to include the Rear speakers for an exciting "wraparound" effect with side wall imaging.

3 Press the ⊐⊏ **PL II EFFECT** button to select <**C-WIDTH**>, then press the Cursor ◀ , ▶ button to select the desired effect setting.

- •You can select between 0 and 7.
- •This sets the width of the center image. The higher the setting, the less sound comes from the center speaker.

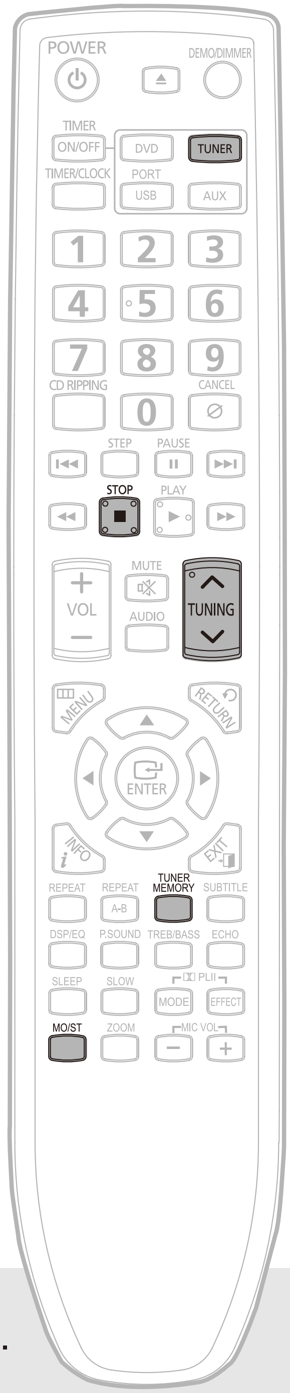
4 Press the ⊐⊏ **PL II EFFECT** button to select <**DIMENSION**>, then press the Cursor ◀ , ▶ button to select the desired setting

- •You can select between 0 and 6.
- •Incrementally adjusts the sound field (DSP) from the front or rear.

- When playing a DVD disc encoded with two or more channels, multi-channel mode will be selected automatically and the ⊐⊏ **PL II** (Dolby Pro Logic II) button does not work.

Listening to Radio

You can listen to the chosen band (FM broadcast stations) by using either the automatic or manual tuning operation.


POWER
DEMO/DIMMER
TIMER
ON/OFF
TIMER/CLOCK
DVD
TUNER
PORT
USB
AUX
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CD RIPPING
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CANCEL
STEP
PAUSE
STOP
PLAY
MUTE
VOL
AUDIO
TUNING
MENU
RETURN
ENTER
INFO
EXIT
REPEAT
REPEAT
A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

Remote Control Unit

1 Press **TUNER** button.

2 Tune into the desired station.

Preset Tuning 1 Press the **STOP** (■) button to select PRESET and then press **TUNING** ∧,∨ button to select the preset station.

Automatic Tuning 2 Press the **STOP** (■) button to select "**AUTO**" and then press **TUNING** ∧,∨ button to automatically search the band.

Manual Tuning Press **STOP** (■) to select MANUAL and then briefly press **TUNING** ∧,∨ to tune into a lower or higher frequency.

Main Unit

1 Press the **FUN.** button to select the FM band.

2 Select a broadcast station.

Preset Tuning 1 Press the **STOP** (■) button to select PRESET and then press ⏮, ⏭ button to select the preset station.

Automatic Tuning 2 Press the **STOP** (■) button to select "**AUTO**" and then press ⏮, ⏭ button to automatically search the band.

Manual Tuning Press **STOP** (■) to select MANUAL and then briefly press ⏮, ⏭ to tune into a lower or higher frequency.

Press **MO/ST** button to listen in Mono/Stereo.
(This applies only when listening to an FM station.)

- Each time the button is pressed, the sound switches between "STEREO" and "MONO".
- In a poor reception area, select MONO for a clear, interference-free broadcast.

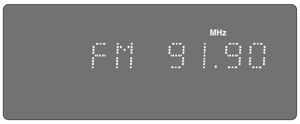
Presetting Stations

You can store up to:

- ♦ 15 FM stations

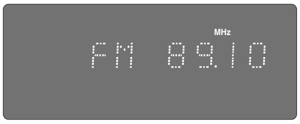
Example: Presetting FM 89.1 in the memory

1 Press the **TUNER** button and select the FM band.

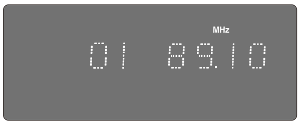


2 Press TUNING ⌃, ⌄ to select "89.10".

- Refer to Step 2 on page 55 to automatically or manually tune in to a station.

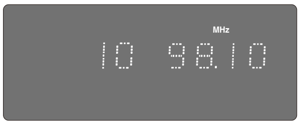


3 Press the **TUNER MEMORY** button.



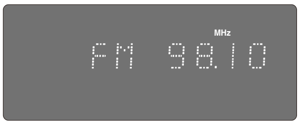
4 Press TUNING ⌃, ⌄ to select preset number.

- You can select between 1 and 15.



5 Press the **TUNER MEMORY** button.

- If you can't press “TUNER MEMORY” in 5 seconds, the preset disappears and “FM” displays.



6 To preset another station, repeat steps 2 to 5.

CD RIPPING Function

You can rip a compact disc as a MP3 file on the USB
This feature enables you to ripping with the start of the disc or track of your choice.

1 Switch the system on by pressing **POWER**.

2 Connect the USB.

3 Load a compact disc(Digital Audio).

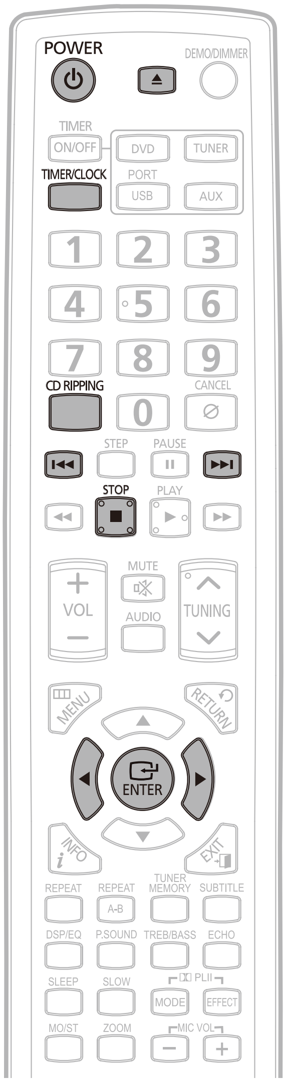
- ♦ Press the **OPEN/CLOSE** button to open the CD door.
- ♦ Insert a CD and press the **OPEN/CLOSE** button to close the CD door.
- ♦ Use the CD selection (⏮, ⏭) buttons to select the desired song.

4 Press CD RIPPING button on remote control to starting ripping.

- ◆ If the system is playing state, press this button, “TRACK RIPPING” is displayed and CD RIPPING starts.
- ◆ If the system is playing state, press and hold this button, “FULL CD RIPPING” is displayed and CD RIPPING starts.
- ◆ During CD ripping, do not disconnect USB device.

5 To stop ripping, press STOP(■)button.and then automatically create and save as the MP3 file.

After CD-Ripping,a directory named “RIPPING FOLDER” will be created in your device.The file name is same with the disc.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SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

Note

- ◆ Don’t disconnected USB and AC Cord during CD-Ripping. This may cause the file damage. If you want to stop CD-Ripping during CD-Ripping, you must press stop Key first and after the CD Stopped, then you can remove the USB device.
- ◆ If you disconnected USB device when CD Ripping, the main unit will be power off and you may not delete the ripped file, In this case, please connect the USB on the PC and backup the USB data on the PC first and then formate the USB device .
- ◆ When the USB memory is not enough, it will be displayed “RIPPING ERROR”.
- ◆ DTS-CD can’t for CD Ripping.
- ◆ With external HDD, FAT format the USB can be CD Ripping, but not NTFS. The CD Ripping function of this product does not support all USB devices.
- ◆ When you use CD high speed search function or in the Pause or Stop mode, the CD Ripping can’t work.
- ◆ During CD Ripping, do not deal impact. If is shocked while CD Ripping, CD Ripping maybe disengage.
- ◆ Sometimes, some of USB devices, CD Ripping time is long.
- ◆ When CD Ripping completes or Stops, the CD will reload.
- ◆ When HDMI audio on, the CD RIPPING can’t work.

Timer Function

- The timer enables you to switch the system on or off at specific times.
- If you no longer want the system to be switched on or off automatically, you must cancel the timer.
- Before setting the timer, check that the current time is correct.
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

Example: You wish to wake up to music every morning.

1 Switch the system on by pressing **POWER**.

2 Press **TIMER/ CLOCK** until **TIMER** is displayed.

3 Press the **ENTER** button.

- **TIME ON** is displayed for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

4 Set the timer switch-on time.

a. Set the hour by pressing ◀ or ▶ button.

b. Press **ENTER** .

- The minutes flash.

c. Set the minutes by pressing ◀ or ▶ button.

d. Press **ENTER**.

- **TIME OFF** is displayed for a few seconds, followed by any switch-off time already set; you can now set the timer switch-off time.

5 Set the timer switch-off time.

a. Set the hour by pressing ◀ or ▶ button.

b. Press **ENTER**.

- The minutes flash.

c. Set the minutes by pressing ◀ or ▶ button.

d. Press **ENTER**.

- **VOL 10** is displayed, where 10 corresponds to the volume already set.

6 Press ◀ or ▶ button to adjust the volume level and press **ENTER**.

- The source to be selected is displayed.

7 Press ◀ or ▶ button to select the source to be played when the system switches on.

- TUNER (radio) :
  a Press **ENTER**.
  b Select a preset station by pressing ◀ or ▶ .
- DVD/CD (compact disc) :
  Load on or more compact disc.
- USB :Insert a USB.

8 Press **ENTER** to confirm the timer.

9 Press **POWER** to set the system to standby mode.

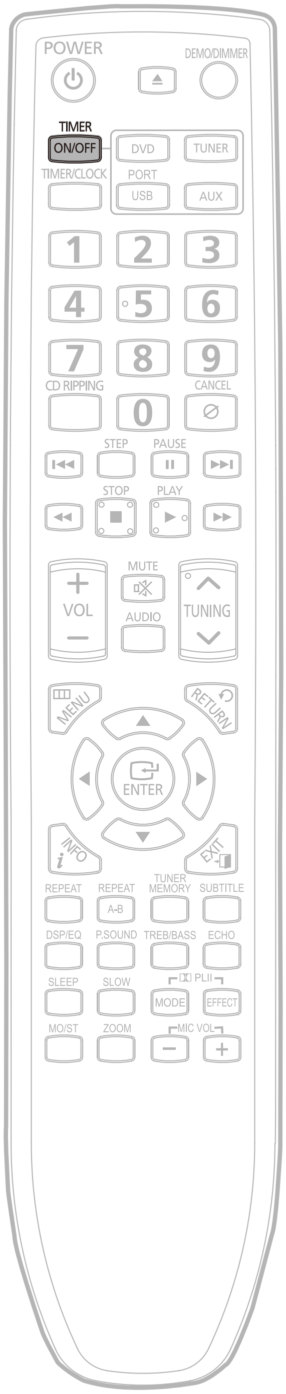
- ◷ is displayed to the top right of the time, indicating that the timer has been set.
- The system will switch on and off automatically at the required times.

Note

- If the timer switch on and off times are identical, the word **ERROR** is displayed.
- If there is no disc or usb, when you select the “DVD, USB, it will automatically change to “TUNER”.

Canceling the Timer

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you must cancel it.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SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

To cancel the timer, press **TIMER ON/OFF** once.

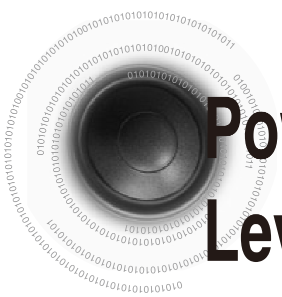
- ◷ is no longer displayed.

To resume the timer, press **TIMER ON/OFF** again.

- ◷ is displayed again.

Note

- You can cancel the timer while the power is on or while the player is in standby.



Power Sound/Treble Level/Bass Level Function

POWER SOUND Function

**Your mini-compact system is equipped with the function of POWER SOUND mode .
The function of POWER SOUND mode amplifies bass and improves high key or bass twice as much for you to appreciate powerful real sound.**

Press the **P.SOUND** button.

Each time the button is pressed, the selection changes as follows: P.SOUND → OFF

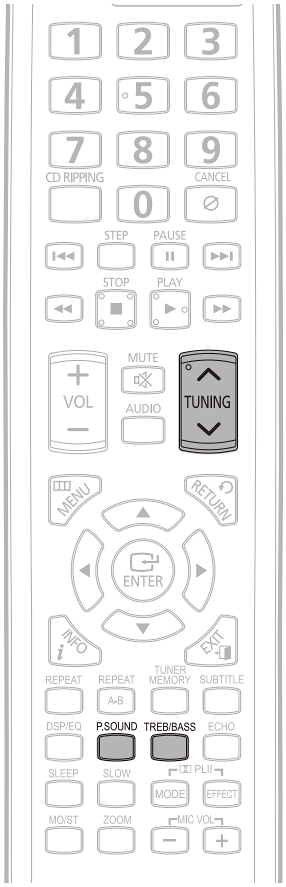
➢ When CD Ripping,the P.SOUND function can't work and the P.SOUND automatically covert to "OFF" mode.

Treble Level Function

Treble Control function stresses high tones providing thudding sound effects.

Press **TREB/BASS** button ,
TREB 00 is displayed.

- Press the TUNING ︿ , ﹀ button to select from TREB -08 to TREB 08.
- You can select the level of high tones you desire.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MODE
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Bass Level Function

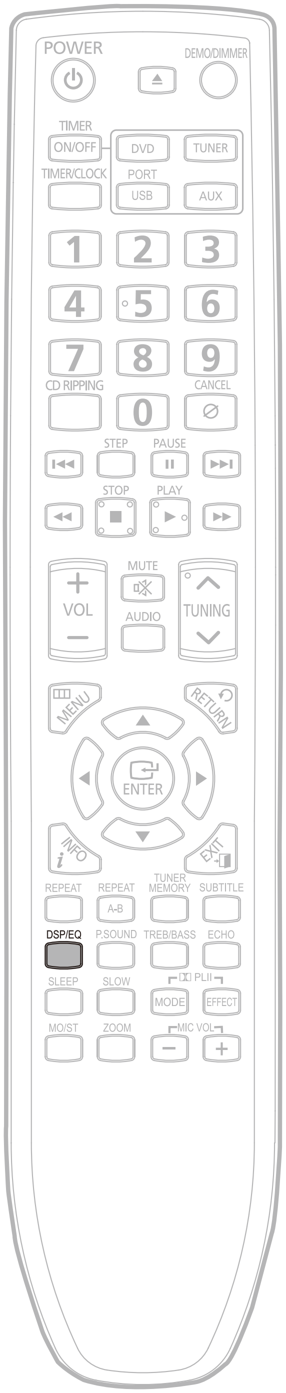
BASS function stresses low tones providing thudding sound effects.

Press **TREB/BASS** button ,
BASS 00 is displayed.

- Press the TUNING ︿ , ﹀ button to select from **BASS -08** to **BASS 08.**
- You can select the level of low tones you desire.

DSP/EQ Function

DSP(Digital Signal Processor) : DSP modes have been designed to simulate different acoustic environments.
EQ : You can select ROCK, POP, or CLASSIC to optimize the sound for the genre of music you are playing.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DSP/EQ
P.SOUND
TREB/BASS
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MODE
EFFECT
MO/ST
ZOOM
MIC VOL

Press the **DSP/EQ** button.

Each time the button is pressed, the selection changes as follows:

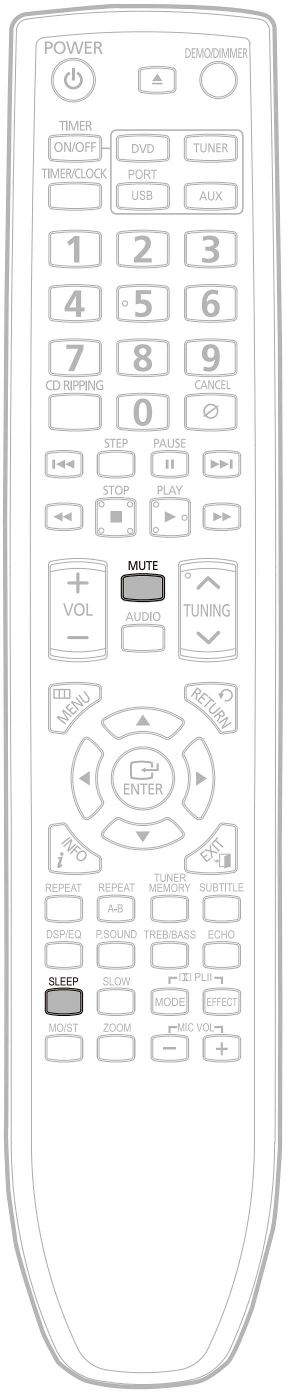
PASS → ROCK → JAZZ → POP → CLASSIC → DANCE → PARTY → HIP-HOP → STUDIO → STADIUM → HALL → THERTER → CHURCH → PASS

- **POP, JAZZ, ROCK** : Depending on the genre of music, you can select POP, JAZZ, and ROCK.
- **CLASSIC** : Select this when listening to classical music.
- **DANCE** : Simulates the sound of a dance club with a throbbing bass beat.
- **PARTY** : Provides the feeling of a party club.
- **HIP-HOP** : Provides a clear vocal as if listening HIP-HOP music.
- **STUDIO** : Provides a sense of presence as if in a studio.
- **STADIUM** : Provides a sense of presence as if in a stadium.
- **HALL** : Provides a clear vocal as if listening in a concert hall.
- **THERTER** : Provides the feeling of a movie theater.
- **CHURCH** : Gives the feel of being in a grand church.
- **PASS** : Select this for normal listening.

▶ When CD Ripping,the DSP/EQ function can’t work and the DSP/EQ automatically covert to “PASS” mode.

▶ If you select D.IN mode, when you press the DSP/EQ button, each time the button is pressed, the selection changes as forenamed.

Sleep Timer Function / Mute Function


POWER
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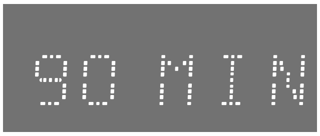
REPEAT A-B
TUNER MEMORY
SUBTITLE
DSP/EQ
P.SOUND
TREB/BASS
ECHO
SLEEP
SLOW
PLII
MODE
EFFECT
MO/ST
ZOOM
MIC VOL

Sleep Timer Function

You can set the time that the DVD player will shut itself off.

Press **SLEEP** button.

- Each time the button is pressed, the selection changes as follows: 90 MIN → 60 MIN → 45 MIN → 30 MIN → 15 MIN → OFF.



To confirm the sleep timer setting, press **SLEEP** button.

- The remaining time before the DVD player will shut itself off is displayed.
- Pressing the button again changes the sleep time from what you have set earlier.

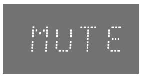
To cancel the sleep timer, press **SLEEP** button until OFF appears on the display.

Mute Function

This is useful when answering a doorbell or telephone call.

Press **MUTE** button.

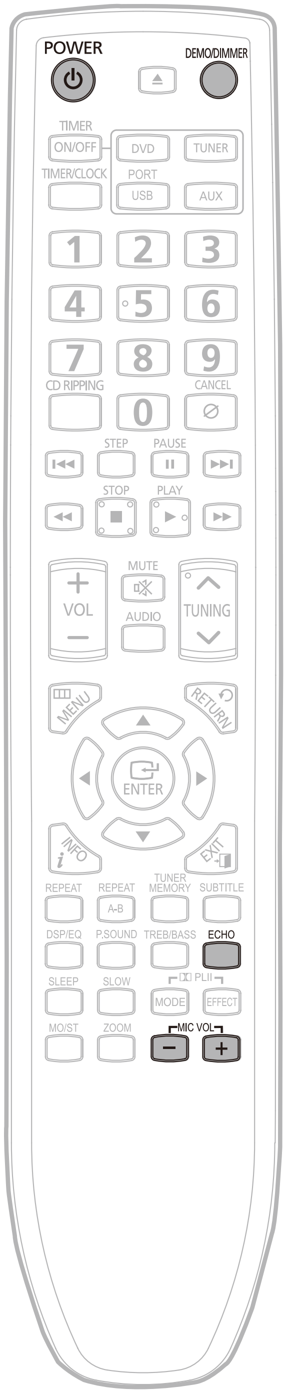
- 'MUTE' appears in the display.
- To turn off mute, press this button again.



DEMO Function / DIMMER Function ECO Function

DEMO Function

You can view the various functions available on your system.



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MIC VOL

Press **DEMO/DIMMER** button.

- The various functions available are listed in turn on the display.
- All these functions are described in detail in this booklet.
  For instructions on how to use them, refer to the appropriate sections.

DIMMER Function

You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.

Press **DEMO/DIMMER** button.

- Each time the button is press, the brightness changes as follows:
  DEMO ON → DIMMER ON(Dim) → DIMMER OFF(Bright).

Note

Press any buttons to cancel DEMO function.
When you turn off the main unit, DEMO function will be auto start after 10 senconds. if you want to cancel this DEMO function, press DEMO/DIMMER button again.

ECO Function

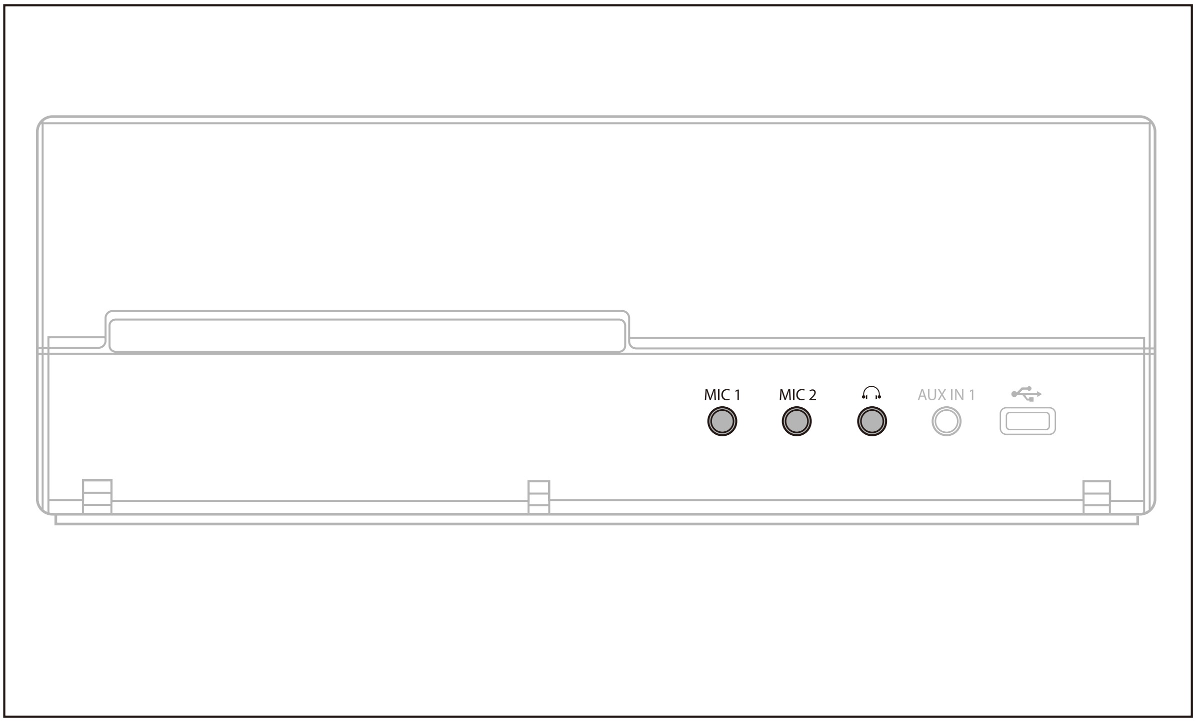
You can save the power consumption while the unit is turned off (on standby)

In Standby mode, press and hold the **POWER** button for longer than 3 seconds.

- Result: ECO displays and the main set automatically switches itself into the power saving mode.

Connecting Headphones/Microphone

You can connect a set of headphones to your mini component system so that you can listen to music or radio programmers without disturbing other people in the room. The headphones must have a 3.5ø jack or an appropriate adapter.
You can also insert microphone to sing along with your favorite CDs.



Connect the headphones to the **headphones** jack on the front panel.

- The loudspeakers are no longer used to output the sound.

Plug a microphone with a 3.5ø MIC jack into the Mic terminal.

- Connect one Microphone.
- Press the **MIC VOL** button to adjust the **MIC** level.
- Press the **ECHO** button to select ECHO1,ECHO2, and ECHO OFF.

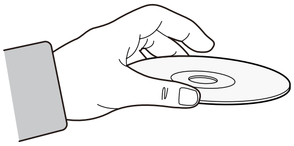
Note

- Prolonged use of headphones at a high volume may damage your hearing.
- P.SOUND/TREB/BASS/DSP/EQ/Dolby Pro Logic function is not available when using headphones.

Cautions on Handling and Storing Discs

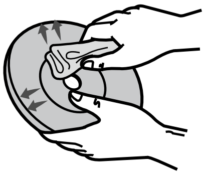
Small scratches on the disc may reduce sound and picture quality or cause breaks in playback. Be especially careful not to scratch discs when handling them.

Handling discs



Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.

Handling and Storing Discs



When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

- When cleaning, wipe gently from the inside to the outside of the disc.

Note

- Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

Before Calling for Service

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

Symptom	Check/Remedy
Disc tray does not open.	• Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on.
Playback does not start.	• Check the region number of the DVD. DVD discs purchased from abroad may not be playable. • CD-ROMs and DVD-ROMs cannot be played on this DVD player. • Make sure that the rating level is correct.
The remote control does not work.	• Is the remote control being operated within its operation range of angle and distance? • Are the batteries exhausted?
Playback does not start immediately when the Play/Pause button is pressed.	• Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean.
Sound is not produced.	• No sound is heard during fast playback, slow playback, and step motion playback. • Are the speakers connected properly? Is the speaker setup correctly customized? • Is the disc severely damaged?
Picture does not appear, sound is not produced, or the disc tray opens 2 to 5 seconds later.	• Was the DVD player suddenly moved from a cold place to a warm one? When condensation forms inside the player, remove the disc and let the player stand for 1 or 2 hours with the power on. (You can use the player again after condensation disappears.)
• Disc is rotating but no picture is produced. **• Picture quality is poor and picture is shaking.**	• Is the TV power on? • Are the video cables connected properly? • Is the disc dirty or damaged? • A poorly manufactured disc may not be playable.

Symptom	Check/Remedy
Audio language and subtitles do not work.	• Audio language and subtitles will not work for DVDs not containing them. And depending on the disc, they may work differently.
Menu screen does not appear even when the menu function is selected.	• Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	• You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode. Refer to the DVD disc jacket and then select the appropriate function.
Can't receive radio broadcast.	• Is the antenna connected properly? • If the antenna's input signal is weak, install an external FM antenna in an area with good reception.
• **The main unit is not working.** **(Example: The power goes out or strange noise is heard.)** • **The DVD player is not working normally.**	• Turn off the power and hold the **STOP ■** button on the main unit or on the remote control for longer than 5 seconds. Using the RESET function will erase all stored settings. Do not use this unless necessary.
The password for rating level has been forgotten.	• While the player is in the No Disc mode, hold the main unit's **STOP ■** button for longer than 5 seconds. “INITIAL” appears on the display and all settings will return to the default values. • Press the POWER button. **Using the RESET function will erase all stored settings.** **Do not use this unless necessary.**

Notes on Terminology

ANGLE	Recorded onto some DVD discs are scenes which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left , from the right , etc.). With such discs, the Angle button can be used to change the angle of view for specific scenes.
CHAPTER NUMBER	These numbers are recorded on DVD discs. A Title is subdivided into many sections, each of which is numbered, and specific parts of the video can be searched quickly using these numbers.
DVD	A high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG-2) and high-density recording technology, a DVD disc comprises two 0.6 mm thick discs bonded together.
PCM	An acronym for Pulse Code Modulation - another name for digital audio.
PBC (PLAYBACK CONTROL)	This is recorded on a video CD (version 2.0). Selected scenes or information can be chosen from the menu displayed on the TV monitor.
REGION NUMBER	Both the DVD player and DVD discs are encoded with a region number. If the region number on the DVD disc does not correspond to the region number of the DVD player, the player cannot play the disc.
SUBTITLES	Translated appearing at the bottom of the screen. A DVD disc can contain up to 32 subtitle languages.
TITLE NUMBER	These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as Title 1, Title 2, etc.
TRACK NUMBER	These numbers are assigned to the tracks which are recorded on video and audio CDs. They enable specific tracks to be located quickly.
VIDEO CD	Contains recordings of pictures and sound whose quality is roughly comparable to that of video tape. This player also supports video CDs with playback control (version 2.0).
DOLBY DIGITAL	5.1 (or 6) Channel Digital Surround sound reproduced from DVDs and LDs recorded as a digital signals (with DOLBY DIGITAL disc marking). With better sound quality, dynamic range, and directionality than traditional Dolby surround technology, you can enjoy dynamic, realistic sound.

Specifications

GENERAL	Power Consumption	95 W
	Weight	3.5 Kg
	Dimensions (W x H x D)	300 x 300 x 127 mm
	Operating Temperature Range	+5 °C~+35 °C
	Operating Humidity Range	10 % ~ 75 %
FM TUNER	FM Frequency Range	87.5~108.0MHz
	Usable Sensitivity	10 dB
	S/N Ratio	62 dB
	Distortion	0.4 %
VIDEO OUTPUT	Composite Video	1.0 Vp-p(75 Ω load)
	Component Video	Y:1.0 Vp-p(75 Ω load)
		Pr:0.70 Vp-p(75 Ω load)
		Pb:0.70 Vp-p(75 Ω load)
	HDMI	Impedance: 85~115 Ω
AMPLIFIER	Front speaker output	300 W x 2(6 Ω)
	Center speaker output	150 W(6 Ω)
	Rear speaker output	150 W x 2(6 Ω)
	Subwoofer speaker output	150 W(6 Ω)
	Frequency range	20 Hz~20 KHz
	S/N Ratio	70 dB
	Channel separation	60 dB
	Input sensitivity	(AUX)400 mV

SPEAKER	Speaker system	5.1ch speaker system		
		Front speaker	Center/Rear speaker	Subwoofer speaker
	Impedance	6 Ω	6 Ω	6 Ω
	Frequency range	140 Hz~20 kHz	140 Hz~20 kHz	35 Hz~160 Hz
	Output sound pressure level	88 dB	88 dB	90 dB
	Rated input	300 W	150 W	150 W
	Maximum input	600 W	300 W	300 W
	Dimensions (W x H x D)	Front/Rear	200 x 353 x 252 mm	220 x 353 x 355 mm
		Center	255 x 103 x 114 mm	
	Weights	Front/Rear	Front: 4 Kg, Rear: 3.6 Kg	5.4 Kg
		Center	1.3 Kg	

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

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